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PACIFIC NORTHWEST FOREST AND RANGE EXPERIMENT STATION TO S. DEPARTMENT OF AGRICULTURE - U.S. FOREST SERVICE Research, Paper PNW-40 NGE-PLANT SYMBOLS WATION OF SOLLING LIBRARY THIRD EDITION U.S. DEFT. OF ARREMITURE CURRENT SERIAL RECORDS F7625 Man

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INTRODUCTION

Brief letter symbols, to facilitate entering plant names on field sheets, are becoming widely accepted by range and vegetation workers. An added stimulus for acceptance of plant codes is the increasing use of automatic data processing. And, of course, a standardized plant symbol list for a geographic province is necessary to fully realize the potential of computers for processing vegetation data pooled from various locations.

This third edition of the plant code for the Northwest has become necessary for two reasons. First, workers interested in diverse plant communities adopted the code and found that more plants should be included. Second, advances in plant taxonomy resulted in new synonymy which, in turn, involved revision of the code list.

This edition has been the more successful through efforts to design programs for machine selection of new plant symbols and preparation of the final listings for publication. The new procedure eliminates tedious clerical maintenance of a master file of cross-check sheets for assigning plant symbols and resolving possible conflicts in coding.

In the main, scientific names in this edition were verified in the following publications:

Hitchcock, A. S.
1950. Manual of the grasses of the United
States. U.S. Dep. Agr. Misc. Pub.
200, ed. 2 (revised by Agnes Chase),
1051 pp., illus.

Hitchcock, C. Leo, Cronquist, Arthur, Ownbey, Marion, and Thompson, J. W. 1955-64. Vascular plants of the Pacific Northwest. Parts 2-5. Univ. Wash. Pub. in Biol., vol. 17. Seattle: Univ. Wash.

Little, Elbert L., Jr. 1953. Check list of native and naturalized trees of the United States (including Alaska). U.S. Dep. Agr. Handb. 41, 472 pp.

Whenever these publications did not cover some specific specimen, the most recent of other flora for the area was consulted.

case of common names for trees and introduced grasses, books on these particular groups of plants. For those to follow recent U.S. Department of Agriculture handnomic findings. Therefore, it was necessary, in the in the Northwest. Most of the suggestions have been has anyone updated that publication with newer taxo-Soil Conservation Service, provided some suggestions authors did not cover all western range plants, nor to more nearly align common nomenclature with usage Common names in earlier editions of the plant instances where there was no published common name gained popular acceptance, E. Wm. Anderson, of the Names," written by Harlan P. Kelsey and William A. Dayton, 1942. However, the compilation by these or the names provided by Kelsey and Dayton never symbol list were drawn from "Standardized Plant followed in this edition on a trial basis.

Because of the nature of computer print-out equipment used for this revised edition, the species list can no longer be used as a source of information on capitalization of plant names. Therefore, it is suggested that those seeking a guide in this matter

use the rules: (1) restrict capitalization of common names to names taken from proper nouns and (2) follow "Vascular Plants of the Northwest," by Hitchcock et al., 1955-64, for capitalization of scientific names.

Alpha Code

For those workers unfamiliar with the system used herein for forming letter symbols, five simple criteria are listed below:

- Symbols for SPECIES binomials are composed of the first two letters of the genus and the first two of the species.
- Symbols for SUBSPECIES or VARIETY trinomials are made up of five letters: the first two of the genus, the first two of the species, and the first letter of the variety or subspecies.
- The "SUFFIX" number or "tie breaker" is part of the alpha symbol. These short numbers are added to differentiate between what would otherwise be duplicate symbols.
- 4. GENUS symbols are composed of the first five letters of the genus. Duplications are resolved by adding a numerical "tie breaker" to the five-letter genus symbol. Eight genera have less than five letters in their names; hence, their names without any change become the symbols.
- 5. Use of all CAPITAL LETTERS in the alpha code is a requirement of ADP equipment. However, the field worker will also note that use of all capitals on his field sheets reduces possible confusion between letters and certain numerals occurring as the "suffix" of some alpha symbols.

The alpha code can be made a little more convenient if field workers compile extracts of this publication, including only species found in the locality of their work.

A separate listing of just synonyms with their valid names is included in this edition. It should help in compiling old data, in which previous editions of the symbol list were used, particularly where names have been modernized.

Another new feature of this edition is a listing of eight soil surface items which could be part of a plot inventory. Appropriate symbols have been suggested for these items.

Numeric Code

To accommodate situations where the available data processing machines can handle only numeric data but no letter or alpha code, a numeric code has again been included in the symbol compilation. The conversion from alpha code on the field sheets to numerals for automatic data processing can be made in one of two ways: (a) numeric symbols might be manually added by a field sheet editor or (b) numeric symbols can be automatically added to punched cards from an acquired set of master cards or a master tape record, which possesses both types of coding. The second suggestion would be the best conversion procedure where voluminous records must be processed. The cards or tape for making the conversion can be purchased through Oregon State University, Range Management Department.

Growth-Form Designators

Since growth-form designators are not shown in the lists here as part of the alpha code and the numeric code has a few inconsistencies in designating shrubs, those workers needing growth-form coding for computer work will find it best handled by adding a

coded designator on the basic data sheet such as the field plot sheet. A numerical designator can be added just ahead of each alpha symbol used according to the following scheme:

1 = Grass 3 = Forb

2 = Grasslike plant 4 = Shrub or tree

Use of these symbols with proper programming will permit computations and summaries by any or all growthform classes.

History and Acknowledgments

One of the earliest records we have of plant symbols is the use of a TWO-LETTER code in 1912 at the Great Basin Station by Arthur W. Sampson and others. Some of these old symbols were derived from common names and some from scientific names or both. With this system, it was hard to remember the symbols, and confusion resulted. But it was a start.

A THREE-LETTER symbol list was developed at the Intermountain Forest and Range Experiment Station in 1932 by George Stewart, G. D. Pickford, and Selar S. Hutchings. It was based on the first letter of the genus and the first two letters of the species. Use of the three-letter symbols was spread by the Western Range Survey and this code may still be used by a few range people. Limiting the number of alphabetic characters to three per plant symbol, however, produced so many duplications or conflicts that the numerous exceptions from the basic rule of symbol formation created a very difficult code, and modification was inevitable.

A FOUR-LETTER plant symbol was developed about 1940 by Joseph F. Pechanec and his associates of the Intermountain Forest and Range Experiment Station. About 1945 or 1946, this system was adopted by the Forest Service in the Northwest and, approximately 3 years later, the code was introduced into the Rocky Mountain and Southwestern States by the Forest Service. Since then, it has been adopted by many agencies, institutions, and research workers.

The next step in code development in the Northwest was made by George Garrison and Jon Skovlin. They modified the code for automatic data processing and made dual code provisions so that machines limited to numeric coding could be used as well as those capable of handling alpha code. This coding task was combined with considerable updating of plant names, and the listing was printed in August 1960.

The current edition continues the job of keeping plant names up to date (yet preserving synonyms) and marks the beginning of computer use, under the direction of Dr. Charles Poulton, in selecting new plant symbols, resolving duplications, and assembling final manuscript lists for publication.

Authors of the current edition are indebted to several individuals, who were not mentioned earlier, for their assistance in botanical or computer aspects of the compilation. Inclusions from Idaho flora were contributed by Dr. E. W. Tisdale and Dr. Minora Hironaka. Additions for central Oregon were offered by W. H. C. Schallig, and additions of certain species west of the Cascade Range were contributed by Dr. Arthur W. Bailey, William W. Hines, and Donald Sorenson. Checking of candidate species against taxonomic manuals was aided by Gerald S. Strickler and Lewis O. Morgan. Dr. Charles Poulton was assisted in the design of computer programs by William T. Pyott and Larry L.

Janssen. The help of all these individuals and the Computer Center at Oregon State University is gratefully acknowledged.

Much of Oregon State University's contribution to this cooperative paper was their funding and participation under Western Regional Project W-89 (formerly W-25, The Ecology and Improvement of Brush-Infested Ranges).

Inquiries

From time to time, this plant list with codes will be revised by the Pacific Northwest Forest and Range Experiment Station and the Range Management Department of Oregon State University. They hold the master data and program for assigning plant symbols and welcome suggestions about addition of species names, location of possible errors, and inclusion of features which might make future editions more service-able. Those desiring computer printouts with a different format or inclusions than published here should make inquiry to the Range Management Department of Oregon State University, Corvallis, Oregon, 97331. Requests for copies of this paper should be addressed to Pacific Northwest Forest and Range Experiment Station, P. O. Box 3141, Portland, Oregon, 97208.

OF SPECIES AND SYMBOLS

Legend: number Column 6 2 ∞ S ω Synonymy code: Name of subspecies or variety Name of genus Common name Alpha symbol Name of species Numeric symbol Numerical "suffix" to alpha symbol or the "tie breaker" genus; 2 = synonym, correct name is in a different genus = synonym, but correct name is in same Blank = valid name; Item





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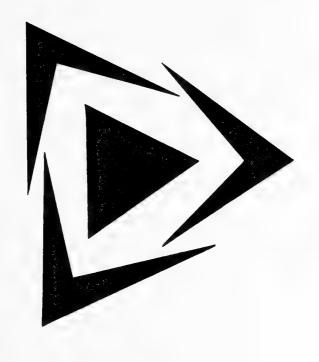
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Grasslike Plants

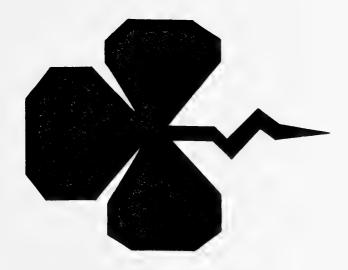


80	SEDGE WINGSEED SEDGE ABRUPTBEAK SEDGE BIGLEAF SEDGE WATER SEDGE SLENDERBEAK SEDGE	BOLANDER SEDGE BREWER SEDGE BUXBAUM SEDGE CALIFORNIA SEDGE CRATER LAKE SEDGE GRAY SEDGE NORTHWESTERN SEDGE CUSICK SEDGE DEWEY SEDGE DEWEY SEDGE DOUGLAS SEDGE DRUMMOND SEDGE SROOTH-FRUIT SEDGE	WIDEFRUIT SEDGE COLUMBIA SEDGE COLUMBIA SEDGE OVALHEAD SEDGE THREADLEAF SEDGE WIND SEDGE ELK SEDGE SIERRA ALPINE SEDGE HAYDEN SEDGE HOOD SEDGE	SHEEF SEUGE LONG-STOLON SEDGE SMOOTH BEAK SEDGE INLAND SEDGE GREEN-FRUIT SEDGE JONES SEDGE KELLOGG SEDGE WOOLLY SEDGE SHORT-SCALE SEDGE SHORT-SCALE SEDGE
4 5 6 7	BULBO 083000 CAREX 075000 CAAB 075001 CAAB 2 075071 CAAM 075002 CAAQ 075004	w 0 w 4 0	CAEU 075018 CAEX 075019 CAFE 075020 CAFI 075021 CAFOT 075073 CAG 075022 CAHA 075024 CAHE 075024	CAIL 0/502/ CAIN 4 075028 CAIN 5 075029 CAIN 3 075030 CAAJ 075031 CAKE 075031 CALA 075033 CALA 3 075034 CALE 3 075034 CALE 3 075035 CALE 4 075035
3			TUBERCULATA	
2	ABLATA ABRUPTA AMPLIFOLIA AQUATILIS ATHROSTACHYA	BOLANDERI BEWERI BUXBAUMII CALIFORNICA CAMPYLUCARPA CANESCENS CONCINNOIDES CUSICKII DEWEYANA DISPERMA DOUGLASII EPAPILLOSA	EURYCARPA EXSICCATA FESTIVELLA FILIFOLIA FOENEA GEYERI GYMNOCLADA HAYDENIANA HENDERSONI 1110014	ILLUIA INDPS INTEGRA INTERIOR INTERPTA JONESII KELLOGGII LAEVICULMIS LANUGINDSA LEPTOPODA LIMNOPHILA
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BOLANDER I	INFLEXUS	ERAGROSTIS		VIRIDIOR	VESICARIA	TRACYI	TOLMIEI	TENERAEFORMIS	SUBSTRICTA	SUBFUSCA		STRAMINIFORMIS	STIPATA	SPECTABILIS	SITCHENSIS	SIMULATA	SICCATA	SAXIMONTANA	ROSTRATA	RUSSII		RAYNOLDSII	PRESLII	PRATICOLA	PRAIREA	PRAEGRAC IL IS	HAEOCE	ET A	ANSA	PACHYSTACHYA	PACHYCARPA	OREGONENS IS	NUDATA	NUBICOLA	NIGRICANS	NEUROPHORA	NEBRASKENSIS	MULTICOSTATA	MICROPIERA	MERTENSII	MACROCEPHALA	UZULINA		2
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SPIKESEDGE BOLANDER SPIKESEDGE	AWNED FLATSEDGE		FLATSEDGE		BLISTER SEDGE	TRACY SEDGE	TOLMIE SEDGE	SIERRASLIM SEDGE				SHASTA SEDGE	SAWBEAK SEDGE	SHOWY SEDGE	SITKA SEDGE	ANALOGUE SEDGE	SILVERTOP SEDGE	ROCKY MOUNTAIN SEDGE	BEAKED SEDGE	ROSS SEDGE	A	RAYNOLDS SEDGE	PRESL SEDGE			CLUSTERED FIELD SEDG	DUNHEAD SEDGE	LIDDON SEDGE	SAND-DUNE SEDGE	CHAMISSO SEDGE	THICKSEED SEDGE	OREGON SEDGE	NAKED SEDGE	CLOUD SEDGE	BLACK ALPINE SEDGE	ALPINE NERVED SEDGE	NEBRASKA SEDGE	MANY-RIB SEDGE	SMALLWING SEDGE	MERTENS SEDGE	BIGHEAD SEDGE	WOODRUSH SEDGE	0	x

89	LONGSTEM SPIKESEDGE COMMON SPIKESEDGE FEWFLOWERED SPIKESEDGE COTTONSEDGE CHAMISSO COTTONSEDGE SLENDER COTTONSEDGE RUSH BALTIC RUSH MOUNTAIN RUSH BOLANDER RUSH	1 7 H L1 W Z	HOWELL RUSH PACIFIC RUSH LONG-STYLE RUSH MERTENS RUSH SUKSDORF RUSH NEVADA RUSH JOINTED RUSH WESTERN RUSH STRAIGHT-LEAF RUSH PARRY RUSH REGEL RUSH ROCKY MOUNTAIN RUSH	MUDDRUSH FIELD WOODRUSH HAIRY WOODRUSH FORKED WOODRUSH SMOOTH WOODRUSH MANY-FLOWER WOODRUSH FIELD WOODRUSH
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1	ELEOCHARIS ELEOCHARIS ELEOCHARIS ELFOCHARIS ERIOPHORUM FRIOPHURUM JUNCUS JUNCUS JUNCUS JUNCUS	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TONCCOS TONCCO	

TRIGLOCHIN	TRIGLOCHIN	SCIRRUS	SCIRPUS	SCIRPUS	SCIRPUS	SCIRPUS	OCT RECO	0017700	CLEBRIC	UZUIA	LUZUIA	LUZULA	LUZULA	LUZULA	1	
MARITIMA	VACIOUS	PAUCIFLORUS	OLNEYI	MICROCARPUS	HETEROCHAETUS	ATROVIRENS	AMERICANUS		2 A 3 C C MOC 7 OF 1	EVEL ENDEDCIA	SHRCESCII IC	SPICATA	PIPERI	PARVIFLORA	2	
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082001	081005	081006	081004	081003	081006	081002	100180	000180	100080	600080		300080	080011	080005	7	
SHORE PODGRASS	SOFTSTEM BULRUSH	FEW-FLOWERED BULLRUSH	OLNEY BULRUSH	PANTOLED BUILDING	FEW-FI DWERED BILL BUCH	GREEN BUI RUSH	AMERICAN BULRUSH	BULRUSH	WAHLENBERG WOODRUSH		CTIPE WOODROUT	COLET HOODSTEEL	PIPER WOODRISH	MILIET WOODRICH	8	



20	SANDVERBENA YELLOW SANDVERBENA WHITE ABRONIA PINK SANDVERBENA	YARRUM YARROW VANILLALEAF DEERFOOT VANILLALEAF BLOWWIVES	MONKSHOOD COLUMBIA MONKSHOOD SLENDER MONKSHOOD HELLER MONKSHOOD BANEBERRY BANEBERRY	ADENOCAULON ADENOCAULON MAIDENHAIR MAIDENHAIR GIANTHYSSOP	WESTERN GIANIHTSSOP NETTLELEAF GIANTHYSSOP AGOSERIS ALPINE MICROSERIS SEASIDE AGOSERIS ORANGE AGOSERIS TALL AGOSERIS	ORANGE AGOSERIS BIG-FLOWERED AGOSERIS ANNUAL AGOSERIS PALE AGOSERIS SPEARLEAF AGOSERIS	PALE AGOSERIS PALE AGOSERIS THINLEAF AGOSERIS
5 6 7	ABRON 100000 ABLA 100001 ABME 100003 ABUM 100002 ABUMA 100004		ACCO 104000 ACCO 104001 ACGR 104001 ACHE 104003 ACTAE 105000 ACAR 105004 ACRU 105004		AGUR 108002 AGUR 108003 AGUSE 109000 AGAL 2 328001 AGAP 109001 AGEL 2 109003 AGGL 109003	AGGLA 109008 AGGR 2 109002 AGGR 109005 AGHE 109006 AGLA 109004 AGRE 2 109009	a s
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8	ACUTALATA	LAWLOSA		ARGU FA AL EUT I CUM		AGRESTIS	RA
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2	LATIFOLIA MELLIFERA UMBELLATA UMBELLATA	LANULOSA MILLEFOLIUM LAN TRIPHYLLA MOLLIS	COLJMBIANUM GRACILENTUM HELLERI ARGUTA RUBRA		UCCIDENTALIS URTICIFULIA ALPESTRIS APARGIDIDES AURANTIACA ELATA GLAUCA	GLAUCA GRAC ILENS GRANDIFLORA HETERUPHYLLA LACINIATA RETRURSA	LIA

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INTERMEDIA LYCOPSIOIDES	ARTEMISIFOLIA	RETROFLEXUS	HYBRIDUS	CALIFORNICUS	ALBUS	0.000	ALYSSOIDES		VIRGATA			TEXTILE	SERRATUM	PLEIANTHUM	PLATYCALL E	DALMERI	NEVII	MACRUM	GEYERI	FIBRILLUM	FALCIFOLIUM	DOUGLASII		CERNUUM	CAMPANULATUM	BRANDEGE I	BISCEPTRUM	ANCEPS	AMPLECTENS	ACHMINATUM	FLANIAGO		GITHAGO
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115000 115001 115002	113001	112002	112001	112004	112003	112000	484001	484000	111001	111000	110019	110022	110017	110016	110015	110014	110013	110012	110011	010011	110009	110008	110000	110005	110004	110020	110014	110003	110002	110001	110000	483000	509001
FIDDLENECK FIREWEED FIDDLENECK TARWEED FIDDLENECK	RAGWEED	REDROUT AMARANTH	SLIM AMARANTH			AMARANTH	PALE ALYSSUM		CANDYSTICK	CANDYSTICK	PACIFIC ONION	TEXTILE ONION	SERRATE ONION	MANY-FLOWERED ONION	ELATSIEM DAIDA	CALMER ONION	NEVINS ONION	ROCK ONION		BLUEMOUNTAINS ONION	SICKLELEAF ONION	DOUGLAS ONION		NODDING ONION	SIERRA ONION	BRANDEGEE ONION	PALMER ONION	KELLOGG ONION		TAPERTIP ONION	ONION	WATERPLANTAIN	

80	MENZIES FIDDLENECK RIGID FIDDLENECK RIGID FIDDLENECK TESELLATE FIDDLENEC PIMPERNEL SCARLET PIMPERNEL PEARLEVERLASTING COMMON PEARLEVERLASTING ALPINE PEARLEVERLASTING BUGLOSS ITALIAN BUGLOSS COMMON BUGLOSS COMMON BUGLOSS ROCKJASMINE ROCKJASMINE ANEMONE ROCKJASMINE ROCKJA
4 5 6 7	AMME 115003 AMRE 2 115004 ANAGA 116000 ANAACA 116001 ANMA 117001 ANMA 117001 ANMA 117001 ANACA 118000 ANDE 118000 ANDE 118000 ANDE 1180000 ANDE 120001 ANDE 121000 ANDE 121000 ANDE 121001 ANDE 121001 ANDE 121001 ANDE 122001 ANDE 122001 ANDE 122001 ANDE 122001 ANDE 122005 ANDE 2 122001 ANDE 2 122001 ANDE 122000 ANDE 2 122005 ANDE 2 122005 ANDE 2 122005 ANDE 2 122005
ю	OCCIDENTALIS SUBALPINA
2	MENZIESII RETRORSA TESSELLATA ARVENSIS MARGARITACEA MARGARITACEA MARGARITACEA MARGARITACEA AZUREA OFFICINALIS FILIFORMIS DELTOIDEA DRJMMONDII GLUBONICIANA LVALLII GLUBONICIANA LVALLII MULTIFIDA NEMOROSA OCCIDENTALIS OREGANA PATEUS PIPERI ARGUTA CANBYI GENUFLEXA HENDERSONI LYALLII ANAPHALOIDES ARGENTEA CURYMBOSA DIMORPHA GEYTER LUZULOILES MICROCEPHALA NEGLECTA
E.	AMSINCKIA AMSINCKIA ANAINCKIA ANAGALLIS ANAGALLIS ANAGALLIS ANAPHALIS ANAPHA

ARABIS	ARABIS	ARABIS	ARABIS	ARABIS	ARABIS	ARABIS	ARABIS	ARABIS	ARABIS	ARABIS	ARABIS	ARABIS	ARABIS	ARABIS	ARABIS	ARABIS	ARABIS	ARABIS	ARABIS	ARABIS	AQUILEGIA	AQUILEGIA	AQUILEGIA	APUCYNUM	APUCYNUM	APCCYNUM	APOCYNUM	APICYNIM	APITOVIEW	VBI UBVBBIIS	APARATOTAM	ANTHORITO	ANTHEMIS	ANTENNARIA	ANTENNARIA	ANTENNARIA	ANTENNARIA	ANTENNARIA	ANTENNARIA	ANTENNARIA	ANTENNARIA	ANTENNARIA	1
MODESTA	MICROPHYLLA	LYRATA	LYALLII	LEMMONII	KOEHLERI	HOLBOELLII	HOLBOELLII	H0L80ELLII	HIRSUTA	HIRSUIA	HIRSUTA	GLABRA	FURCATA	DRUMMONDII	DIVARICARPA	CUSICKII	CRUCISETOSA	COBRENSIS	ACULEOLATA		FORMUSA	FLAVESCENS		TOMENTELLUM	TO CX	CAZZABIZON	ANDROS AEM IFOL IJA	ANDROSAEM LEGILIJM		r r r r	ROBENIE	00000	COTIN	UMBRINELLA	SUFFRUTESCENS	STENOPHYLLA	SPECIOSA	ROSEA	RACEMOSA	PULCHERRIMA	NEGLECTA	NEGLECTA	2
						RECTOFRACTA	PENDULOCARPA		PYCNOCARPA	GLABRATA																1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PUNILUM														HOWELLII	ATTENUATA	ω
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89	UREGON ROCKCRESS BROADSEED ROCKCRESS SHORTHAIR ROCKCRESS HAIRY ROCKCRESS BRISTLY ROCKCRESS SICKLE-POD ROCKCRESS	SAMLEAF ROCKCRESS WOODY ROCKCRESS CALIFORNIA ARALIA SANDWORT NEEDLELEAF SANDWORT BURKE SANDWORT	VO VZ K	NUTTALL SANDWORT CRATER LAKE SANDWORT SIBERIAN SANDWORT	UINTA SANDWORT THRIFT THRIFT ARNICA CLASPING ARNICA RYDBERG ARNICA CHAMISSO ARNICA CHAMISSO ARNICA HEARTLEAF ARNICA
7	127030 127013 127023 127015 127016 127005 127022	127017 127018 705001 128000 128005 128005	128004 128005 128006 128004 128011 128012 333001	128007 128013 128014 128008 128015 128016 128017 128013	128019 129000 129000 130000 130000 130006 130006 130008 130008
5 6	ARNU 2 ARDR ARPE ARPLH ARPY ARRE	ARSU 2 ARCA 3 ARENA ARAC 2 ARBU 2 ARBU 2		ARNU ARPA 4 ARPU 2 ARRU 3 ARSU ARSA	ARSI ARMER ARMAC ARANIC ARBE ARCH ARCH ARCH
3 4	HDWELLII		AMERICANA 1 2 2		CALIFDAVICA FOLIOSA INCANA
2	NUTTALLII OREGANA PERELEGANS PLATYSPERMA PUBERULA PYCNOCARPA RECTISSIMA S PARSIELURA	SUBPINIATIFIDA SUFFRITESCENS CALIFORNICA ACULEATA BURKEI CAPILLARIS	CAPILLARIS CONGESTA DOUGLASII FURMOSA FRANKLINII KINGII LATERIFLORA MACROPHYLLA		STRICTA UINTAHENSIS MARITIMA AMPLEXICAULIS AURANTIACA BETONICAEFULIA CHAMISSONIS CORDIFULIA DISCOIDEA
-1	ARABBIS ARABBIS ARABBIS ARABBIS ARABBIS ARABBIS ARABBIS ARABBIS	RABIS RABIS RALIA RENARI RENARI RENARI	~~~~~~~~	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	ARENARIA ARENIA ARMERIA ARNICA ARNICA ARNICA ARNICA ARNICA

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ARNICA	LONGIFOLIA		AKLO	130007	~
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ARNICA	PARRYI		ARPA		RAYLESS ARNICA
ARNICA	PARVIFLORA		1 ARPA	2 130004	RAYLESS ARNICA
ARVICA	RYDBERGII		ARRY	130110	
ARNICA	SURORIA		ARSO	130111	
ARTEMISIA	GNAPHALODES		1 ARGN	131008	CUDWEED SAGEBRUSH
ARTEMISIA	MICHAUXIANA		ARMI	131001	ICHAUX
ARTEMISIA	NORVEGICA		ARNO	131002	
ARUNCUS			ARUND		GOATSBEARD
ARUNCUS	SYLVESTER		ARSY	132001	SYLVAN GUATSBEARD
ARUNCUS	VULGARIS		ARVU		
ASARUM			ASARU		WILDGINGER
ASARUM	CAUDATUM		ASCA	3 133001	BRITISH COLUMBIA WILDGINGER
ASCLEPIAS			ASCLE		MILKWEED
ASCLEPIAS	CORDIFOLIA		A SCO	4 134001	HEARTLEAF MILKWEED
ASCLEPIAS	CRYPTOCERAS		ASCR	134004	PALLID MILKWEED
ASCLEPIAS	FASCICULARIS		ASFA	2 134002	MEXICAN MILKWEED
ASCLEPIAS	MEXICANA		1 ASME	134002	MEXICAN MILKWEED
ASCLEPIAS	SPECIOSA		ASSP		SHOWY MILKWEED
ASPERUGO			ASPE	R 135000	CATCHWEED
A SPERUGO	PROCUMBENS		ASPR	135001	CATCHWEED
ASTER			ASTE	R 136000	ASTER
ASTER	ADSCENDENS		1 A SAD	136005	NGLEA
ASTER			ASAL	136001	ALPINE ASTER
ASTER	BRICKELLIGIDES		ASBR		
ASTER	CAMPESTRIS		ASCA	2 136003	MEADOW ASTER
ASTER	CANESCENS		ASCA	136004	HOARY ASTER
ASTER	CHILENSIS		ASCH	136005	PACIFIC ASTER
ASTER	CONSPICUUS		ASCO	136006	SHOWY ASTER
ASTER	CURTUS		ASCU	136007	CURTUS ASTER
ASTER	CUSICKII		1 ASCU	3 136010	LEAFYBRACT ASTER
ASTER	EATONII		ASEA	136008	EATONS ASTER
ASTER	ENGELMANNI		ASEN	136009	ENGELMANN ASTER
15	FOLIACEUS		ASFO	136010	LEAFYBRACT ASTER
ASTER	FREMONTI		1 ASFR	136015	WESTERN ASTER
ASTER	INTEGRIFOLIUS		ASIN	136011	THICKSTEM ASTER
ASTER	JESSICAE		ASJE	136012	JESSICA ASTER

80	CASCADES ASTER FEWFLOWER ASTER WESTERN ASTER WESTERN ASTER ELEGANT ASTER RUGH-LEAF ASTER CRAG ASTER	MILKVETCH LOCO PURPLE MILKVETCH ALPINE MILKVETCH HANGINGPOD MILKVETCH		HILLSIDE MILKVETCH HILLSIDE MILKVETCH LAWRENCE MILKVETCH STIFF MILKVETCH TIMBER POISONVETCH CURVEPOD MILKVETCH CURVEPOD MILKVETCH	SICKLE MILKVETCH THREADSTALK MILKVETCH WOOLLYPOD MILKVETCH LONGLEAF MILKVETCH HOWELL MILKVETCH THISTLE MILKVETCH	THISTLE MILKVETCH SPECKLEPOD LOCO SPECKLEPOD LOCO SHAGGY MILKVETCH STARVED MILKVETCH STARVED MILKVETCH CANADA LOCO
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GLAUCUM	FOLIOSUM	CHENOPODIDIDES	CAPITATUM	BUTRYS	ALBUM		SILIQUOSA	GRACILLIMA		NANA		DOUGL AS I I	DOUGLASII		VULGATUM	VISCOSUM	STRICTUM	NUTANS	BEERINGIANUM	ARVENSE		AUSTINAE	UMBELLATUM	MUHLENBERGII		SOLSTITIALIS	REPENS	ITE	DIFFUSA		PILOSUS	CRASSICAULIS		SUKSDORFII	RHEXIFOLIA	PRUINOS A	PINETORUM	PILOSA	PARVIFLORA	PARVIFLORA	PALLESCENS	ORESBIA	2
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				JERUSALEMOAK	LAMBSQUARTERS	GOOSEFOOT	PODFERN	LACE	LIPFERN	CHAMAESARACHA	CHAMAESARACHA	FALSEYARROW	FALSEYARROW		BIG CERASTIUM	STICKY	COMMON	NODDING CERASTIUM		STARRY CERASTIUM	CERASTIUM	PHANTOMORCHID		CENTAURIUM	CENTAURIUM	YELLOW CENTAUREA	RUSSIAN CENTAUREA	MALTA CENTAUREA		CENTAUREA			1	SUKSDORF PAINTBRUSH	SPLITLEAF PAINTBRUSH	FROSTED PAINTBRUSH	PINE	WHITE PAINTBRUSH	MAGENTA PAINTBRUSH	SMALLFLOWER PAINTBRUSH	PALLID PAINTBRUSH	PALE PAINTBRUSH	80

8	MAPLELEAF GOOSEFOOT SLIMLEAF GOOSEFOOT SOAPPLANT CHORISPORA CHORISPORA	OXEYEDAISY OXEYEDAISY FIELD OXEYEDAISY GOLDASTER UREGON GOLDASTER HAIRY GOLDASTER WATERHEMLOCK WESTERN WATERHEMLOCK	CIRCAEA ALPINE CIRCAEA ALPINE CIRCAEA THISTLE ELK THISTLE MOUNTAIN THISTLE CANADA THISTLE ELK THISTLE INDIAN THISTLE ELK THISTLE ELK THISTLE SNOWWOOL THISTLE WEAK THISTLE BULL THISTLE WEAK THISTLE CLARKIA
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LONGSEPAL GLOBEMALLOW	GLOBEMALLOW		PINESAP			PINESAP	SPOTTED	CATSEAR	SCOULER	COMMON ST. JOHNSWORT	SCOULER ST. JOHNSWORT	AL:	BOG ST. JOHNSWORT	ST. JOHNSWORT	BLACK HENBANE	HENBANE	SLENDERSTEM WATERLEAF	WESTERN WATERLEAF	FENDLER	BALLHEAD	BALLHEAD		WATERLEAF			DWARF HULSEA		HULSEA	CLUSTERED HORKELIA	ANNA	SILKY HORKELIA	HOWELL HORKELIA	AWNY	AWNY	AWNA	TAWNY HORKELIA	CARROTLEAF HURKELIA	SHAGGY HORKELIA	CARROTLEAF HORKELIA		ORKELI	JAGGED CHICKWEED	8

100	02 STREAM GLUBEMALLOW			TUBE IRIS				07 THOMPSON IRIS	00	01		00 POVERTYWEED					01 KELLOGGIA	00	01		LETTUCE	CHICORY		PRICKLY			OI SLENDER RABBIILEAF				O1 WESTERN STICKSEED	PEAVINE	PINEWOODS		5 CUSICK PE		08 MARITIME PEAVINE		05 THICKLEAF PEAVINE	OREGON PEA	
5 6 7	ILRI 494002						2		-		_	IVA 495000	_			KELLD 280000					_						LAKA 496001		_		LARE 283001		LABI 284023	LABIS 284023	LACU 28402			2	LALA 2 284005		6
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1	ILIAMNA		~	IRIS	IRIS	RI	IRIS	IRIS	ISOPYRUM	ISOPYRUM	ISUPYRUM	I V A	IVESTA		IVESIA	KELLUGGIA	KELLUGGIA	KOCHIA	KOCHIA	KUCHIA	LACTUCA	LACTUCA	LACTUCA	LACIUCA	LACTUCA	LAGUPHYLLA	LAGUPHYLLA	LAMILIM	LAPPULA	LAPPULA	LAPPULA	LATHYRUS	LATHYRUS	LATHYRUS	LATHYRUS	LATHYRUS	LAIHYRUS	LATHYRUS	LATHYRUS	LATHYRUS	LATHYRUS

LATHYRUS LAYIA LAYIA LEPIDIUM	LATHYRUS	P
TORREYI GLANDULOSA CAMPESTRE DENSIFLORUM DICTYOTUM DRABA MEDIUM MONTANJM NITIOLIA PERFOLIATUM STRICTJM VIRGINICUM AMPLEXIFOLIA PYROLIFOLIA MULTIFIOA PURPUREA ARGENTEA ARGENTEA LUDOVICIANA	LITTORALIS NEVADENSIS NEVADENSIS NEVADENSIS NUTFALLII OBOVATUS OCHROLEUCUS OREGONENSIS PAUCIFLORUS PAUCIFLORUS PAUCIFLORUS PAUCIFLORUS SCHURENIS SCHURENIS SCHURENIS	2
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2	COLUMBIANA NEVADENSIS PYGMAEA REDIVIVA TRIPHYLLA TWEEDYI APTIFOLIUM CANBYI CUSICKII FILICINUM GRAYI FUNUFOLIUM COLUMBIANUM UCCIDENTALE RUBESCENS WASHINGTONIANUM ALBA RUSEA NUTTALLII ANDROSACEUS GRANDIFLORUS HARKNESSII PHARNACEDIDES SEPTENITRIONALIS BOREALIS LEWISII PERENNE CAURINA
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LOTUS	LUIUS	LOTUS	LOTUS	LOTUS	LOTUS	LOPHOTOCARPUS	LOPHOTOCARPUS	LOMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LUMATIUM	LOMATIUM	LOMATIUM	LOMATIUM	LITHOSPERMUM	LITHOSPERMUM	LITHOSPERMUM	LITHOPHRAGMA	LITHOPHRAGMA	LITHUPHRAGMA	LITHUPHRAGMA	LITHOPHRAGMA	LISTERA	LISTERA	1	
DOUGLASII	CRASSIFULIUS	CORNICULATUS	BICOLOR	AMERICANUS		CALIFORNICUS		VAGINATUM	UTRICULATUM	TRITERVATUM	TRITERNATUM	TRITERNATUM	SIMPLEX	PIPERI	NUDICAULE	NEVADENSE	MARTINUALEI	MACROCARPUM	LEPTOCARPUM	GRAYI	GURMANII	GEYERI	FOENICJLACEUM	FARINOSUM	DONNELLII	DISSECTUM	COUS	CIRCUMDATUM	CANBYI	BRANDEGEI	ANGUSTATUM	AMBIGUUM		RUDERALE	CALIFORNICUM		TENELLA	PARVIFLURA	GLABRA	BULBIFERA		CORDATA	CONVALLARIDIDES	2	
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NEVADA DEERVETCH	(max				DEERVETCH	LOPHOTO CARPUS	OPHOTO					NINELEAF LOMATIUM			BARESTEM LOMATIUM		EW-FRU		BICOLOR BISCUITROOT	GRAYS BISCUITROOT	GURMAN BISCUITROOT	GEYER BISCUITROOT			DONNELL BISCUITROOF		COUS BISCUITROOT		CANBY BISCUITROOT		FEW-FRUITED LOMATIUM		-		CALIFORNIA GROMWELL		SLENDER WOODLANDSTAR	SMALLFLOWER WOODLANDSTAR		SLENDER WOODLANDSTAR	WOODLANDSTAR	HEARTLEAF LISTERA	BROADLIP LISTERA	00	

	Н				LUPINE
8	LITTLEFLOWER DEERVETCH NEVADA DEERVETCH TORREY DEERVETCH MEADOW DEERVETCH SPANISHCLOVER CHILEAN DEERVETCH	and and control of	PINE LUPINE PINE LUPINE TREE LUPINE SILVERY LUPINE SILVERY LUPINE LODGE POLE LUPINE PRAIRIE LUPINE	ELI	SILVERY LUPINE SILVERY LUPINE LITTLEFLOWER LUPINE BROADLEAF LUPINE BROADLEAF LUPINE LONGSTALK BROADLEAF BROADLEAF LUPINE SPUR LUPINE SPUR LUPINE SPUR LUPINE SPUR LUPINE
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	529005	LYDR			DRUMMONDII	LYCHNIS
	529004	LYDI			DIDICA	LYCHNIS
	529003	LYCO			CORONARIA	LYCHNIS
	200629	LYAP			APETALA	LYCHNIS
	529001	LYAL			ALBA	LYCHNIS
	529000	LYCHN				LYCHNIS
HTBYW	309050	LUWY			MYETHII	LUPINUS
1	309067	EUSUB	_	BERNARDINUS	SUPERBUS	LUPINUS
	309048	LUSU			SULPHUREUS	LUPINUS
	309058	LUSU 2			SUKSDORFII	LUPINUS
	309066	\neg		TRANSMONTANUS	SUBVEXJS	LUPINUS
	309019	LUSU 3			SUBALPINUS	LUPINUS
-	309068	LUSES		SERICEUS	SERICEUS	LUPINUS
SILKY	309044	LUSE			SERICEUS	LUPINUS
SPUR	309060	LUSC	-		SCHEUBERAE	LUPINUS
ROCK	309042	LUSA			SAXOSUS	LUPINUS
SABIN LUPINE	309041	LUSA 2			SABINII	LUPINUS
STREAM	309040	LURI			RIVULARIS	LUPINUS
RUSTY LUPINE	309039	LUPU			PUSILLUS	LUPINUS
SPUR LUPINE	309060	LUPS			PSEUDOPARVIFLORUS	LUPINUS
BIGLEAF LUPINE	309067	LUPOB		BURKEI	PULYPHYLLUS	LUPINUS
	309037	LUPO			POLYPHYLLUS	LUPINUS
	309053	LUPA 2	_		PARVIFLORUS	LUPINUS
SILKY LUPINE	309068	LUOR			ORNATUS	LUPINUS
	309034				NANUS	LUPINUS
PRAIRIE LUPINE	309063	LUMI 3	_		MINIMUS	LUPINUS
CHICK	309066	-		MICROCARPUS	MICROCARPUS	LUPINUS
CHICK	309032	LUMI 2			MICROCARPUS	LUPINUS
	309031	LUMI			MICRANTHUS	LUPINUS
	309064	LULYL	_	LOBBII	LYALLII	LUPINUS
PRAIRIE	309064	LULY	_		LYALLII	LUPINUS
SHORE	309028	LULI			LITTORALIS	LUPINUS
	309027	LULET		TENUISPICUS	LEUCOPHYLLUS	LUPINUS
VELVET	309065	LULEL		LEUCOPHYLLUS	LEUCOPHYLLUS	LUPINUS
VELVET	309065	LULEC	_	CAVESCENS	LEUCOPHYLLUS	LUPINUS
	309065	LULEB	_	BELLIAE	EUCOPHYLLU	LUPINUS
	309024	LULE			LEUCOPHYLLUS	LUPINUS
PRAIRIE	309064			LOBBII	LEPIDUS	LUPINUS
	309062	LULEC2		CUSICKII	LEP I DUS	LUPINUS
PRAIRIE	309061	LULEA		ARIDUS	LEPIDUS	LUPINUS
SPUR LUPINE	309059	LULAS2	_	SILVICOLA	LAXIFLORUS	LUPINUS
SPUR	309060	LULAP		PSEUDOTARVITCURUS	LAXIFLORUS	LUPINUS

50	SKELET ONPLANT SKELET ONPLANT SKIINK CABBACE	SKUNKCABBAGE SKUNKCABBAGE TARWEED	BOLANDER TARWEED	COMMON TARWEED	STOWN AKWEND	CLUSTER TARWEED	COMMON TARWEED	WOODLAND TARWEED	SMALL HEAD LARWEED	BEADBURY	BEADRUBY	MALLOW	MUSK MALLOW		RUNNING MALLOW	BIGROOT	OREGON BIGROOT	MAKIANA	HOADHOUND	CNECKTOR HOAD	MAYWEED		PINEAPPLE-WEED			MEDIC	SPOTTED MEDIC	YELLOWFLOWER ALFALFA	BLACK MEDIC	ALFALFA		SWEETCLOVER	WHITE SWEETCLOVER	YELLOW SWEETCLOVER	MINI	Σ		CANADA MINI
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3 4				1																											2						CANADEASIS	
2	SPINOSA	AMERICANUM	JOLANDER I	DISSITIFLORA	ELEGANS EXTGUA	GLOMERATA	GRACILIS	MADIDIDES	AE INTE	SALIVA	DILATATUM		MOSCHATA	PARVIFLORA	ROTUNDIFOLIA		OREGANUS	4 t	LACIEA	VIII CABE	VOLGANE	CHAMOMILLA	MATRICARIDIDES		OREGANA		AKABICA	FALCATA	LUPULINA	SAFIVA	OREGONA		ALBA	OFFICINAL IS		ARVENSIS	ARVENSIS	CANADENSIS
1	LYGODESMIA LYGODESMIA	LYSICHITUM LYSICHITUM MADIA	MADIA	MADIA	MADIA	MADIA	MADIA	MADIA	MADIA	MATANTHEMUM	MAIANTHEMUM	MALVA	MALVA	MALVA	MALVA	MARAH	MARAH	MAKIANA	MAKIANA	MARKUDIUM	MAIRICARIA	MATRICARIA	MATRICARIA	MECONELLA	MECONELLA	MEDICAGO	MEDICAGO	MEDICAGO	MEDICAGO	MEDICAGO	MEGARRHIZA	MELILOTUS	MELILOTUS	MELILOTUS	MENTHA	MENIHA	MENITA	MENTHA

MI MULUS	MIMOLOV	MIMULUS	MIMULUS	MIMETANTHE	MIMETANTHE	MICROSTERIS	MICRUSTERIS	MICROSTERIS	MICRUSTERIS	MICROSTERIS	MICRUSERIS	MICROSERIS	MICROSERIS	MICROSERIS	MICROSERIS	MICROSERIS	MICROPUS	MICROPUS	MICROMERIA	MICROMERIA	MICROMERIA	MEGEROZIANIERMEM	MENEMBOY ANTERMEM	STR TRUIN	MERTENSIA	MERTENSIA	MERTENSIA	MERTENSIA	MERTENSIA	MERTENSIA	MERTENSIA	MENYANTHES	MENYANTHES	MENTZELIA	MENTZELIA	MENTZELIA	MENTZELIA	MENTZELIA	NTZE	MENTZELIA	-
CARDINALIS CUSICKII DENTATUS	BREWERL	ALSINOIDES		PILOSA		MICRANTHA	HUMILIS	GRACILIS	GRACILIS		TROXIMOIDES	NUTANS	LINEARIFOLIA	LACINIATA	ALPESTRIS		CALIFORNICUS		DOUGLASII	CHAMISSONIS	ר בל	EOHTI ATERALE	OMBRATICIO	TEATTEEA	PANICULATA	PANICULATA	OBLIGIFOLIA	LONGIFLORA	CILIATA	BREVISTYLA		TRIFOLIATA		LAEVIGATA	LAEVICAULIS	LAEVICAULIS	DISPERSA	ALBICAULIS	ACUMINATA		2
								HUMILIOR																	BOREALIS										LAEVICAULIS						ω
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CXIMVON MONKEYFLOWER COAST MONKEYFLOWER		CHICKWEED MONKEYFLOWER	MONKEYFLOWER	ANMO	DOWNY MONKEYFLOWER	INK	PINK MICROSTERIS	N N	PINK MICROSTERIS	ICROS	FALSE AGOSERIS	NODDING MICROSERIS	INEARLI		ALPINE MICROSERIS	MICROSERIS			ER8A		YERBA BUENA		MESEMBOYANTHEMEN	MESTERN DESCRIPTION	PANICLE BLUEBELLS	m		BLUE	EAF B	SHORTSTYLE BLUEBELLS	LLS	COMMON BOGBEAN	BOGBEAN	SMOOTH MENTZELIA	GSTAR	BLAZINGSTAR MENTZELIA	BUSHY MENTZELIA	TEM ME	BLAZINGSTAR MENTZELIA	MENTZELIA	80

89	PURPLESTEM MONKEYFLOWER CLUSTERED MONKEYFLOWER CLUSTERED MONKEYFLOWER CLUSTERED MONKEYFLOWER CCUSTERED MONKEYFLOWER COMMON MONKEYFLOWER COMMON MONKEYFLOWER COMMON MONKEYFLOWER COMMON MONKEYFLOWER CLUSTERED MONKEYFLOWER CLUSTERED MONKEYFLOWER CLUSTERED MONKEYFLOWER CLUSTERED MONKEYFLOWER CLUSTERED MONKEYFLOWER CLUSTERED MONKEYFLOWER FOULSTERED MONKEYFLOWER CLUSTERED MONKEYFLOWER FOUSTERED MONKEYFLOWER SUSTENDED MONKEYFLOWER FOUSTERED MONKEYFLOWER FOUSTERED MONKEYFLOWER SUSTENDED MONKEYFLOWER FOUSTERED MONARDELLA PACIFIC MONARDELLA MODDNYMPH MODDNYMPH INDIANPIPE INDIANPIPE INDIANPIPE
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33	ALP INUS CAESP I TOSUS DISCOLOR
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pand	MIMULUS MIMULU

NUPHAR	NUPHAR	NITROPHYLLA	NITROPHYLLA	NICOTIANA	NICOTIANA	NEMOPHILA	NEMOPHILA	NEMOPHILA	2 M M C T I L A	ZE SCRII CA	ZERGETIEA	NEMOPHICA	NAVAKKETIA	NAVARRETIA	NAVARRETIA	VAVARRETIA	NAVARRETIA	NAVARRETIA	NAVARRETIA	NAVARRETIA	NAKTECIUM	NARTECIUM	MYOSURUS	MYUSURUS	MYOSURUS	MYUSURUS	SITOSOYM	SITUSOYM	MYOSOTIS	MONTIA	MONTIA	MOUTIA	MONTIA	MONTIA	MONTIA	MONTIA	MONTIA	MONTIA	MONTIA	MONTIA	MONTIA	MONTIA	MONTIA	1
POLYSEPALA		OCCIDENTALIS		ATTENUATA		SEPULTA	PEDUNCULATA	PARVIFLORA	INCUNUTION	UENSA	BXTV ITC CXA	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	IAGELINA	SQUARRUSA	MIZIMA	KLICKITATENSIS	INTERTEXTA	INTERTEXTA	BREWERI		CALIFORNICUM		SESSILIS	MINIMUS	ARISTATUS		MICRANTHA	LAXA		SPATHULATA	SIBIRICA	PERFOLIATA	PERFOLIATA	PARVIFULIA	LINEARIS	HOWELLII	FONTANA	DIFFUSA	DICHOTOMA	CORDIFOLIA	CORDIFOLIA	CHAMISSOI	ARENICOLA	2
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NUPO	NUPHA	NIOC	NITRO	NIAT	NICOT	1 NESE	NEPE	ZEPA	ZELZ		ZITUX	NE MOP	NAIA	NASO	NAMI	NAKL	NAINP	NAIN	NABR	NAVAR	NACA	NARTE	MYSE	IMYMI	MYAR	NYOSU	MYMI	MYLA	MYDSO	MOSP	MOSI	MOPED	MOPE	MOPA	MOLI	MOHO	MOFO	MODI	MODI	MOCO	MOCO	MOCH	MOAR	5
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8	WATERLILY WATERLILY WATERDARGI EV	MAILNIANSLEY PACIFIC WATERPARSLEY FVENINGPRIMENSE	ALYSSUM EVENINGPRIM OSE COMMON EVENINGPRIMR SE BEACH EVENINGPRIMROSE	LONGLEAF EVENINGPRIMROSE HOOKER EVENINGPRIMROSE PALE EVENINGPRIMROSE TANNYLEAF EVENINGPRIMROSE	PRICKLYPEAR BRISTLY PRICKLYPEAR PLAINS PRICKLYPEAR BRISTLY PRICKLYPEAR BRISTLY PRICKLYPEAR	CALIFORNIA BROOMRAPE CLUSTERED BROOMRAPE STOUT BROOMRAPE NAKED BROOMRAPE NAKED BROOMRAPE	OROGENIA LINEAR LEAVED OROGENIA OWLCLOVER VALLEYTASSELS OWLCLOVER CUPELAND OWLCLOVER	1110 1 0 7 7 1	MUUNIAIN SWEETKUUL
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PELTATA	なる。	BRACHYPTERA		RACEMOSA	GRUENLANDICA	DENSIFLORA	CONTORTA	CENTRANTHERA	BRACTEUSA	ATTOLLENS	ATROSANGUINEA		SETOSA	PUSILLA		PALUSTRIS	FIMBRIATA	CALIFORNICA		PENSYLVANICA		SOMNIFERUM	ARGEMONE		CROWNII		VISCIDA	LUTEOLA	CAMPESTRIS		DENDROIDEA		DIGYNA		SUKSDORFII	OREGANA		でしたでしたにA	UCCIDENTALIS	NOCA	CIVARICAIA	CHILENVIV	7	2
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8	PENSTEMON SHARP-LEAVED PENSTE ON STIFFLEAF PENSTEMON SULFUR PENSTEMON TINYBLOOM PENSTEMON SNOWLAND PENSTEMON SMALLFLOWER PENSTEMON YELLOW PENSTEMON CUSICK PENSTEMON BLUE PENSTEMON BLUE PENSTEMON DAVIDSON PENSTEMON DAVIDSON PENSTEMON	SCABLAND PENSTEMON SCABLAND PENSTEMON FUZYTONGUE PENSTEMON GLAYCOYS PENSTEMON BUSH PENSTEMON BUSH PENSTEMON GAIRDNER PENSTEMON STICKYSTEM PENSTEMON SLIMSTEM PENSTEMON SLIMSTEM PENSTEMON SLIMSTEM PENSTEMON SLIMSTEMON SLIMSTEMON KINGS PENSTEMON	GAY PENSTEMON GAY PENSTEMON HUMBOLDT PENSTEMON DAVIDSON PENSTEMON TINYBLOOM PENSTEMON GROVE PENSTEMON GAIRONER PENSTEMON GAIRONER PENSTEMON RYDBERG PENSTEMON RYDBERG PENSTEMON RYDBERG PENSTEMON PRICKLEAF PENSTEMON PRICKLEAF PENSTEMON SULPHUR PENSTEMON MATTAN PENSTEMON RATTAN PENSTEMON GAY PENSTEMON GAY PENSTEMON CLIFF PENSTEMON GAY PENSTEMON
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2	PHI OX	PHLOX	PHLOX	PHACELIA	PHACELIA	PHACELIA	PHACELIA	PHACELIA	PHACELIA	PHACELIA	PHACELIA	PHACELIA	PHACELIA	PHACELIA	PHACELIA	PHACELIA	PHACELIA	PHACELIA	PHACELIA	PETASITES	PETASITES	PETASITES	PETASITES	PETASITES	PETALOSTEMUM	PETALOSTEMUM	PERSICARIA	PERIDEKIDIA	PERIDERIDIA	PERIDERIDIA	PERIDERIDIA	PENSTEMON	PENSTEMON	PENSTEMON	PENSTEMON	PENSTEMON	PENSTEMON	PENSTEMON	PENSTEMON	PENSTEMON	PENSTEMON	PENSTEMON	PENSTEMON	ENSTE	pared.
20000	ALISTROMONIANA	AUSURGENS		VIRGATA	SERICEA	RATTANII	RAMOSISSIMA	PROCERA	NEMORALIS	LUTEA	LINEARIS	LEUCOPHYLLA	IDAHUEVSIS	HETEROPHYLLA	HASTATA	HASTATA	BOL ANDER I	ALPINA		SPECIUSA	PALMATA	NIVALIS	FRIGIDA		ORNATUM			UREGANA	GAIRDNERI	BOLANUERI		MILCOXII	WATSONI	WASHOEVSIS	VIRENS	VENUSTUS	VARIABILIS	TOLMIEI	SUBGLABER	SPECIOSUS	SPATULATUS	SERRULATUS	SCOULERI	RYDBERGII	2
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LECTRITIS	CONFECTA			PLECT	374000	C.E.C.
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OLYGONUM	BISTORTOIDES	HARTWRIGHTII		POCOH	376005	ERICAN
DLYGONUM	CALIFORNICUM				376033	
OLYGONUM	CASCADENSE				376032	
DLYGONUM	COCCINEUM				376026	
DLYGONUM	COMFERTIFLORUM			P000	376027	
DLYGONUM	CONVOLVULUS				376006	DULLSEED CORNBIND
OLYGONUM	CUSPIDATUM				376028	
DLYGONUM	DOUGLASII			PODO	376007	DOUGLAS KNOTWEED
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OLYGONUM	FOWLERI			POFO	376034	
DLYGONUM	HETEROSEPALUM			PUHE	376035	
OLYGONUM	HYDROPIPER			POHY	376009	RSHPEPPER
OLYGONUM	HYDROPIPERDIDES				376036	
POLYGONUM	KELLOGGII			POKE	376037	
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8	GREEN PYROLA TOOTHLEAF PYROLA SNOWLINE PYROLA ALDINE PYROLA ALPINE PYROLA ALDINE PYROLA SIDEBELLS PYROLA WOODNYMPH PYROLA WOODNYMPH PYROLA WOODNYMPH RAILLARDELLA
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-	PYROLA PY

RUMEX	RUMMX	R C S C X	RUMEX	RUMEX	RUMEX	RUMEX	RUMEX	RUMEX	RUDBECKIA	RUDBECKIA	RUDBECKIA	RUDBECKIA	RUDBECKIA	ROKIPPA	RORIPPA	RORIPPA	RORIPPA	RORIPPA	RORIPPA	RORIPPA	ROMANZOFFIA	ROMANZOFFIA	ROMANZOFFIA	RIGIOPAPPUS	RIGIUPAPPUS	RHYTIDIADELPHUS	RHYTIDIADELPHUS	RANUNCULUS	B ANIMOTO COLOR	RANCINCULO	RANCUCCIO	RANUNCULUS	RANUNCULUS	RANUNCULUS	RANUNCULUS	RANUNCULUS	RANUNCULUS	RANUNCUIUS	RANUNCULUS	RANUNCULUS		
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WESTERN DOCK	BITTER DOCK	MEXICAN DOCK		CURLY DOCK		SHEEP SORREL		DOCK			BLACKEYEDSUSAN		CONEFLOWER		SPREADING YELLOWCRESS	WATERCRESS		WESTERN YELLOWCRESS		CRESS		SITKA MISTMAIDEN	MISTMAIDEN	BRISTLEHEAD	BRISTLEHEAD					2	ALVERY BULLEBUILD	SUKSDORF BUTTERCUP	BLISTER BUTTERCUP		CREEPING BUTTERCUP		PURSH BUTTERCUP			STRAIGHTBEAK	œ	

80	MOUNTAIN SORREL	WILLOW DOCK	VEINY DOCK	PEARLWORT	WESTERN PEARLWORT	ARCTIC PEARLWORT	ARROWHEAD	ARUMLEAF ARRUWHEAD	ARUMLEAF ARRUMHEAU BROADIFAF ARROWHFAD				RUSSIANTHISTLE	RUSSIANTHISTLE		MEDITERANEAN SAGE		ANNUAL BURNET	AMERICAN BURNET	GARDEN BURNET	T	ANNOAL BURNET	a.,	SANICLE	BEACH SANICLE	PURPLE SANICLE	NORTHERN SANICLE		SOAPWORT	BOUNCINGBET			YERBA BUENA	SAUSSUREA	SUSSUREA	SAXIFKAGE
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2	PAUCIFOLIUS PERSICARIUIDES PULCHER	SALICIFOLIUS	VENDSUS	APETALA	OCCIDENTALIS	SAGINOIDES		ARIFOLIA	LATIFOLIA		EUROPAEA	RUBRA	VIRGINICA	KALI		AETHIOPIS		ANNUA	CANADENSIS	MICROCEPHALA	ZINOX OCCUPATION TO	OCCIDENTALIS	SINZEROLIN	1	ARCTOPUIDES	BIPINNATIFIDA	GRAVEOLENS	SEPTENTR IUNAL IS		OFFICINAL IS	VACCARIA		DOUGLASII		AMERICANA	
1	RUMEX RUMEX RUMEX	R CONTRACTOR NAME & X	RUMEX	SAGINA	SAGINA	VACINA	SAGITTARIA	SACITTARIA	SAGILIAKIA	SALICORNIA	SALICORNIA	SALICORNIA	SALICORNIA	SALSOLA	SALVIA	SALVIA	SANGUISURBA	SANGUISORBA	SANGUISORBA	SANGUISORBA	SANGUISURBA	SANGUISURBA	SANGET SERBA		SAVICULA	SANICULA	SANICULA	SANICULA	SAPONARIA	SAPONARIA	SAPUNARIA	SATUREJA	ATUREJ	AUSSURE	4	SAKIFKAGA

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GLAUCUM	FENDLERI	FENDLERI	ARVENSE	ALPESTRE		OVATA	MONTANA	MONTANA	MONTANA	GRACILIS		SAGITTATUM	LACINIATUM	INTEGRIFOLIUM	HOWELLII	EUCDSMUM	BRACHYCARPUM		VENULOSUM	SPARSIFLORUM	POLYCARPUM	OCCIDENTALE	FENDLERI	DASYCARPUM	ALPINUM		UNIFLORA	FASCICULATA		GRANDIFLORA		JAMESII		NUDICAJLIS		OFFICINALE	LAEVIGATUM		VULGARE	CAMPHORATUM		SPINESCENS	OKANOGANENSE	2
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80	BREWER NETTLE SLIM NETTLE HOARY NETTLE LYALL NETTLE LYALL NETTLE COMMON BLADDERWORT COMMON BLADDERWORT VALERIAN COLUMBIA VALERIAN EDIBLE VALERIAN ESTERN VALERIAN	MESTERN VALERIAN SCOULER VALERIAN SITAA VALERIAN SCOULE VALERIAN ROSY PLECTRITIS ROSY PLECTRITIS INSIDE-OUT-FLOWER WHITE INSIDE-OUT-FLOWER FALSEHELLEBORE CALIFORNIA FALSEHELLEBORE	MULLEIN MOTH MULLEIN MOTH MULLEIN FLANNEL MULLEIN VERBENA VERBENA VERBENA SPEEDWELL AMERICAN SPEEDWELL COMMON SPEEDWELL CUSICK SPEEDWELL MARSH SPEEDWELL MURNSKJOLD SPEEDWELL
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MARSH VIOLET	475015				PALUSTRIS	VIULA
DARKWOODS VETCH	475025	VIUR 2			ORBICULATA	VIULA
PINTO VIOLET	475014				OCELLATA	VIOLA
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SMALL WHITE VIOLET	475010	VIMA	•		MACLOSKEYI	VIULA
MOOSEHORN VIOLET	475009	VILO			LOBATA	VIULA
I INB	475008	VILA			LANGSDORFII	VIOLA
HOWELL VIOLET	475007	VIHO			HOWELLII	VIOLA
PIONEER VIOLET	475006	VIGL			GLABELLA	VIULA
NUTTALL VIOLET	475024	VIFL	-		FLAVOVIRENS	VIULA
WEDGELEAF VIOLET	475004	VICU			CHNCATA	VIOLA VIOLA
CANADA VIDINI	475002	VICA				VIOLA VIOCA
HOOK VIOLET	475023	VIADA		ADUNCA	ADUNCA	VIULA
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AMERICAN VETCH	474014	VITR 3	1		TRUNCATA	VICIA
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COMMON VETCH	474014	V I C X	-		CATIVA	VICIA
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ERICAN	474013	VICA 2	_		CALIFORNICA	VICIA
ERICAN	474013	VIAMV		VILLOSA	AMERICANA	VICIA
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HAIRY VETCH	474005	CWAIA		DREGAVA	AMERICANA	AICIN
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Trees and Shrubs



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3 4	DOUGLASII		CUSICKII SEMIINTEGRIFOLIA	PINETORUM	VISCIDULA
2	AMABILIS CONCOLOR GRANDIS LASIOCARPA CIRCINATUM GLABRUM GLABRUM MACROPHYLLUM	INCANA RHOMBIFOLIA RUBRA SINUATA TENUIFOLIA	ALNIFOLIA ALNIFOLIA CUSICKII FLORIDA UTAHENSIS MENZIESII	CINEREA COLUMBIANA MANZANITA NEVADENSIS PARRYANA PATULA IOMENTOSA UVA-URSI	ARBUSCJLA CANA CANA
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REDSTEM CEANOTHUS	SQUAWCARPET	DEERBRUSH	WEDGELEAF CEANOTHUS	2	CEANOTHUS	SIERRA CHINKAPIN	GOLDEN CHINKAPIN	CHINKAPIN	MERTENS CASSIOPE	CASSIOPE	NORTHWESTERN PAPER BIRCH	WESTERN PAPER BIRCH	WATER BIRCH	WATER BIRCH	HALLS BIRCH	8DG BIRCH	WATER BIRCH	BIRCH	LOW OREGONGRAPE	PYGMY OREGONGRAPE	CASCADE OREGONGRAPE	TALL OREGONGRAPE	OREGONGRAPE		KIDNEYWORT BACCHARIS	BACCHARIS		SHADSCALE	FOURWING SALTBUSH	SALTBUSH	THREETIP SAGEBRUSH	ALPINE SAGEBRUSH	BIG SAGEBRUSH	SUKSDORF SAGEBRUSH		STIFF SAGEBRUSH	BLACK SAGEBRUSH	LOUISIANA SAGEBRUSH	LOUISIANA SAGEBRUSH	LONGLOBE SAGEBRUSH	FRINGED SAGEBRUSH	TARRAGON	DOUGLAS SAGEBRUSH	8

۵	BLUEBLOSSOM CEANDTHUS SNOWBRUSH	SNOWBRUSH HACKBERRY	NETLEAF HACKBERRY MOUNTAINMAHOGANY	BIRCHLEAF MOUNTAINMAHOGANY BIRCHLEAF MOUNTAINMAHOGANY	CURLLEAF MOUNTAINMAHAGONY CURLLEAF MOUNTAINMAHOGANY	BIRCHLEAF MOUNTAINMAHOGANY DESERTSWEET	DESERTSWEET FALSE CEDAR	PORT-ORFORD-CEDAR ALASKA-CEDAR	PIPSISSEMA	CINTER PIPOLOGEMA	WESTERN PIPSISSEWA	RABBITBRUSH	TALL GRAY RABBITBRUSH				TALL GREEN RABBITBRUSH TRUCKEF GREEN RABBITBRUSH	I ANCELEAF GREEN RABRITRRUSH	DOWNY GREEN RABBITBRUSH	LINELEAF GREEN RABBITBRUSH	THREADLEAF GREEN RABBITLEAF	COLUMBIAN ROCK CLEMATIS		D06W00D	BROWN DUGWOOD	MESTERN DOGWOOD		WESTERN DOGWOOD	HAZEL
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3 4		DISCOLOR GLABRESCENS GLABRESCENS	SAXATILIS	COL UMB I ANUM	VAGILLANS
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ALBICAULIS CONTORTA	•	ENGELMANNII	BREWERIANA		OPULIFOLIUS	MALVACEUS	CAPITATUS		GLANDULIFLORA	EMPETRIFORMIS		LEWISII	GORDONIANUS		HENDERSONII		RAMOSISSIMUM		MYRSINITES		CERASIFORMIS		HORRIDUS		GALE	CALIFORNICA		ALBA		AURANT LACUS	FERRUGINEA		FUSCA	DIVERSIFOLIA		REPENS	PUMILA	NERVOSA	AQUITOR AQUITOR		TOM LTITA		
PICO	PINUS	PIEN	PIBR	PICEA	РНОР	PHMA	PHCA 3	PHYSO	PHGL	PHEM	PHYLL	PHLE 2	1 PHGO	PHILA	PEHE	PETRO	PERA 3	PERAP	PAMY	PACHI	DSCE	USMAR	OPHO	OPLOP	MYGA	MYCA	MYRIC	MOAL	MORUS	1 MIAU	MEFE	MENZI	2 MAFU		2 MALUS					2 MAHUN		MACLU	
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LODGEPOLE PINE		ENGELMANN SPRUCE	BREWER SPRUCE	SPRUCE	COMMON NINEBARK	MALLOW NINEBARK	PACIFIC NINEBARK	NINEBARK	CREAM MOUNTAINHEATH	RED MOUNTAINHEATH	MOUNTAINHEATH	MOCKORANGE	MOCKORANGE	MOCKORANGE	HENDERSON ROCKMAT	ROCKMAT	SQUAWAPPLE	SQUAWAPPLE	PACHISTIMA	PACHISTIMA	OSOBERRY	OSOBERRY	DEVILSCLUB	DEVILSCLUB		WAXMYRTLE	WAXMYRTLE			BUSH MONKEYFLOWER	RUSTYLEAF	RUSTYLEAF	OREGON CRABAPPLE	OREGON CRABAPPLE	APPLE	LOW OREGONGRAPE	PYGMY OREGONGRAPE	CASCADE OREGUNGRAPE	TALL UREGUNGRAPE	UREGUNGRAPE			

8		EASTERN COTTONWOOD QUAKING ASPEN BLACK COTTONWOOD SHRUBBY CINQUEFOIL CHERRY, CHOKECHERRY, PLUM BITTER CHERRY KLAMATH PLUM	CUMMUN CHORECHERRY WESTERN CHORECHERRY CHORECHERRY DOUGLAS-FIR %INTERIORB DOUGLAS-FIR %INTERIORB	⊢ ₩ ∞	HUCKLEBERRY DAK MISTLETOE BUCKTHORN ALDER BUCKTHORN CALIFORNIA BUCKTHORN CASCARA RHODUDENDRON•AZALEA CASCADES AZALEA PACIFIC RHODODENDRON WESTERN AZALEA SUMAC SMOOTH SUMAC
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4 5 6	PILA PIMO PIPO PISY POPUL	PODE POTR 2 POTR 2 POFR PREM PREM PREM	PRVID PRVID PRVID PSEUD PSMEG	PUTRY PUTR PYRUS QUERC QUCH QUKE	EUVA ENAMN RHAMN RHAL 2 RHOU RHOU RHOC RHOC RHUS RHUS RHUS
3			DEMISSA MELANDCARPA GLAUCA MENZIESII		
2	LAMBERTIANA MONFICOLA PONDEROSA SYLVESTRIS ANGUSTIFOLIA	DELTOIDES TREMULOIDES TRICHOCARPA FRUTICOSA EMARGINATA PRUNIFOLIA SUBCORDATA	VIRGINIANA VIRGINIANA VIRGINIANA MENZIESII TAXIFOLIA	TRIDENTATA FUSCA CHRYSOLEPIS GARRYANA KELLOGGII SADLERIANA	VACCINIFOLIA ALNIFOLIA CALIFORNICA PURSHIANA ALBIFLORUM MACROPHYLLUM OCCIDENTALE DIVERSILOBA GLABRA TRILOBATA
1	PINUS PINUS PINUS PINUS POPULUS POPULUS	POPULUS POPULUS POPULUS POTENTILLA PRUNUS PRUNUS PRUNUS	PRUNUS PRUNUS PSEUDOTSUGA PSEUDOTSUGA PSEUDOTSUGA	PURSHIA PURSHIA PYRUS QUERCUS QUERCUS QUERCUS QUERCUS	QUERCUS RAZUUMOFSKYA RHAMNUS RHAMNUS RHAMNUS RHAMNUS RHODODENDRON RHODODENDRON RHODODENDRON RHUS RHUS

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PYRIFERA SPALDINGII ULTRAMONTANA WOODSII WOODSII HESPERIUS IDAEUS	VANCUINEUM VELUTINUM VELUTINUM VISCOSISSIMUM WATSONIANUM GYMNOCARPA NUTKANA PISOCARPA	AUREUM BRACTEOSUM CEREUM CCEREUM CCOGNATUM CRUENTUM GODDDINGII HOWELLII HOWELLII HOWELLII HOWELLII HOWSONIANUM INERME IRRIGUUM KLAMATHENSE LAXIFLORUM LOBBII MARSHALLII MARSHALLII MARSHALLII MARSHALLII MENZIESII MONTIGENUM PETIOLARE RENIFORME RENIFORME	ACERTEDI ILM
ULTRAMONTANA	GDDD ING II	CEREUM	W
1 ROPY 773009 PEARHIP ROSE 1 ROSP 773007 BRISTLEY NOOTKA ROSE 1 ROUL 773009 PEARHIP ROSE ROWO 773008 WOODS ROSE ROWOU 773009 PEARHIP ROSE RUBUS 774000 BLACKBERRY, DEWBERRY, RASPBERRY RUHE 774005 DARK RASPBERRY	RIVE 772023 REDFLUMER CURRANI RIVE 772023 DESERT GOOSEBERRY RIVIG 772030 DESERT GOOSEBERRY RIVI 772024 STICKY CURRANT RIWA 772025 WATSON GOOSEBERRY ROSA 773000 ROSE ROSA 773001 BALDHIP ROSE RONU 773002 NOOTKA ROSE RONUH 773007 BRISTLY NOOTKA ROSE RUPI 773003 PEAFRUIT ROSE	772002 GOLDEN CURANTI	4 5 6 7 B RIBES 772000 CURRANT, GOOSEBERRY

8	RED RASPBERRY CUTLEAF BLACKBERRY DWARF BLACKBERRY WESTERN BLACKCAP TRAILING BLACKBERRY DARK RASPBERRY SNOW DEWBERRY THIMBLEBERRY STRAWBERRYLEAF BLACKBERRY WESTERN RED RASPBERRY TRAILING BLACKBERRY	GRAPELEAF CALIFORNIA DEWBERRY WILLOW SILVERLEAF WILLOW BARCLAY WILLOW BEBB WILLOW UNDERGREEN WILLOW COULTER WILLOW BROUNDERGREEN WILLOW COULTER WILLOW BROUTIFUL WILLOW GEYER WILLOW COYOTE WILLOW ARROYO WILLOW TEMMONS WILLOW YELLOW WILLOW YELLOW WILLOW WACKENZIE WILLOW GREENSIDES WILLOW GREENSIDES WILLOW
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4 5	RUIDS RULA KULA KULE I RUMA RUNI RUNI RUPA RUPA RUSP RUSP RUSP RUSP	SAURY SABA SABA SABA SABA SABA SABA SABA SAB
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2	IDAEUS LACINIATUS LAS IOCOCCUS LEUCODERMIS MACROPETALUS NIGERRIMUS NIVALIS PROCERUS PROCERUS SPECTABILIS STRIGOSUS URS INUS	AMYGDALGIDES ARCTICA ARGOPHYLLA BARCLAYI BEBBIANA BRACHYCARPA CASCADENSIS CAUDATA COMMUTATA COMMUTATA COMMUTATA COULTERI DRUMMONDIANA DRUMMONDIANA DRUMMONDIANA EXIGUA EXIGUA EXIGUA EXIGUA LASIOLEPIS LEMMONI LUTEA MACKENZIANA HOOKERIANA LASIOLEPIS LEMMONI LUTEA MACKENZIANA MONOCHROMA MONOCHROMA MONOCHROMA
1	RUBUS RUBUS RUBUS RUBUS RUBUS RUBUS RUBUS RUBUS RUBUS RUBUS RUBUS RUBUS RUBUS RUBUS	S S A L L X X X X S A L L X X X X A L L X X X A L X X X A L X X X A L X X X A L X X X A L X X X A L X X X A L X X X A L X X X A L X X X A L X X X A L X X X A L X X X A L X X X A L X X X A L X X X X

SPIRAEA SPIRAEA	SPIRAEA SPIRAEA SPIRAEA	SURBUS	SORBUS	SORBUS	SORBUS	SORBUS	SORBUS	SHEPHERDIA	SARCOBATUS	SAMBUCUS	SAMBUCUS	SAMBUCUS	SAMBUCUS	SAMBUCUS	SAMBUCUS	SALVIA	SALIX	SALIX	SALIX	SALIX	SALIX	SALIX	SALIX	SALIX	SALIX	SALIX	1
DOUGLASII DOUGLASII	ARBUSCULA BETUL IFOLIA	SITCHENSIS	SCOPULINA	SAMBUCIFOLIA	HYBRIDA	DUMOS A	CASCADENSIS	CANADENSIS	VERMICULATUS	RACEMOSA	RACEMOSA	RACEMOS A	GLAUCA	CALLICARPA		CARNOSA DORRII	WOLFII	VESTITA	SITCHENSIS	SESSILIFOLIA	SCOULERIANA	RIGIOA	RIGIDA	PSEUDOCORDATA	PETROPHILA	NIVALIS PEDICELLARIS	2
MENZ IES I I	LUCIDA	GRAYI	CASCADENSIS							MELANDCARPA	ARBORESCENS					CARNOSA	IDAHOEVSIS					SATADA I I	MACKENZIEANA				w
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	SHINYLEAF SPIREA MENZIES SPIREA PYRAMID SPIREA PIKOW SPIREA PYRAMID SPIREA	SNOWBERRY COMMON SNOWBERRY COMMON SNOWBERRY WESTERN SNOWBERRY MOUNTAIN SNOWBERRY COTTONHORN HORSEBRUSH COTTONHORN HORSEBRUSH ARBORVITAE WESTERN REDCEDAR POISON-OAK POISON-OAK WESTERN POISON-IVY HEMLOCK MOUNTAIN HEMLOCK	BLUELEAF HUCKLEBERRY GLOBE HUCKLEBERRY BIG HUCKLEBERRY WESTERNBOG BLUEBERRY OVALLEAF HUCKLEBERRY SHOT HUCKLEBERRY KED HUCKLEBERRY CROUSE HUCKLEBERRY
7	781008 781009 781010 781007 781010	782000 782000 782004 782003 782003 782003 782003 782003 784000 784001 784001 784001 784001 784001 784001 784001 784001 784001 784001 785000 786003 786003 786003 786003 786001 786001 787000	790002 790003 790004 790005 790006 790007 790008
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33	PYRAMIDATA	LAEVIGATUS HESPERIUS INERMIS RYDBERGII	
2	LUCIDA MENZIESII MENZIESII PIKOWENS'IS PYRAMIDATA	ALBUS ALBUS MOLLIS OCCIDENTALIS OCCIDENTALIS OREOPHILUS VACCINIOIDES BREVIFOLIA CANESCENS CANESCENS GLABRATA SPINOSA PLICATA DIVERSILOBUM QUERCIFOLIUM RADICANS HETEROPHYLLA MERTENSIANA EURUPAEUS CALIFORNICA	CAESTINSON DELICIOSUM GLOBULARE MEMBRAVACEUM OCCIDENTALE OVALIFOLIUM PARVIFOLIUM SCUPARIUM
1	SPIRAEA SPIRAEA SPIRAEA SPIRAEA SPIRAEA	SYMPHORICARPOS SYMPHORICARPOS SYMPHORICARPOS SYMPHORICARPOS SYMPHORICARPOS SYMPHORICARPOS SYMPHORICARPOS SYMPHORICARPOS TAXUS TETRADYMIA TETRADYMIA TETRADYMIA TETRADYMIA TETRADYMIA TETRADYMIA TETRADYMIA TETRADYMIA TETRADYMIA TETRADYMIA TETRADYMIA TETRADYMIA TETRADYMIA TETRADYMIA TETRADYMIA TETRADYMIA TETRADYMIA TETRADYMIA TETRADYMIA TOXICODENDRON TOX	VACCINIUM VACCINIUM VACCINIUM VACCINIUM VACCINIUM VACCINIUM

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LIST OF SYNONYMS

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CALIFORNICA PAUCIFLORUM

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CALIFORNIA GRAPE

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793001 793000 792000

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Column number Legend: δ \mathcal{G} 4 ω \sim Synonymy code: Blank = valid name; genus; 2 = synonym, correct name is in a different genus 1 = synonym, but correct name is in same Alpha symbol with tie breakers Common name Name of subspecies or variety Numeric symbol Name of species Name of genus Item

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-	HOBR HONUB	029001 029001	HORDEUM HORDEUM	BRACHYANTHERUM NODDSUM	BUREALE	NORTHERN MEADOW BARLEY
7	HODE 2 HONU	029003 029003	HORDEUM Hordeum	DEPRESSUM NODOSUM		MEADOW BARLEY MEADOW BARLEY
-	H0HY H06U	029004	HORDEUM Hordeum	HYSTRIX GUSSONIANUM		MEDITERRANEAN BARLEY MEDITERRANEAN BARLEY
2	MUMI	033005	MUHLENBERGIA SPOROBOLUS	MINUTISSIMA MICROSPERMUS		ANNUAL MUHLY ANNUAL MUHLY
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2	TAAS ELCA 2	056001 056001	TAENIATHERUM ELYMUS	ASPERUM CAPUT-MEDUSAE		MEDUSAHEAD WILDRYE
-	CAHA	075024 075024	CAREX CAREX	HAYDEN IA VA NUBICOLA		HAYDEN SEDGE CLOUD SEDGE
	LUMUC LUCA 2 LUSU 4	0800080 080009 080009	LUZULA LUZULA LUZULA	MULTIFLORA CAMPESTRIS SUBSESSILIS	CAMPESTRIS	FIELD WOODRUSH FIELD WOODRUSH
-	LUMUC2 LUCO	080010 080010	LUZULA LUZULA	MULTIFLORA COMOSA	COMOSA	HAIRY WOODRUSH HAIRY WOODRUSH
1	SCPA SCHE	081006 081006	SCIRPUS SCIRPUS	PAUCIFLORUS HETEROCHAETUS		FEW-FLOWERED BULLRUSH FEW-FLOWERED BULLRUSH
_	ACMIL	10101	ACHILLEA ACHILLEA	MILLEFOLIUM Lanulosa	LANULOSA	YARROW Yarrow
-	ACCU ACGR	104001 104001	ACONITUM ACONITUM	COLUMBIANUM GRACILENTUM		COLUMBIA MONKSHOOD SLENDER MONKSHOOD
	ACRU ACRUA ACAR	105004 105004 105004	ACTAEA ACTAEA ACTAEA	RUBRA RUBRA ARGUTA	ARGUTA	BANEBERRY

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K ING I I	CONGESTA BURKEI	CAPILLARIS FORMOSA	SPARS IFLORA PERELEGANS	HIRSUTA PYCNOCARPA	ANDROSAEMIFOLIUM PUMILUM	ARGUTA LYALLII	PATENS LUDDVICIANA	MULTIFIDA GLOBOSA HUDSONIANA	TOLMIEI	PALMERI BISCEPTRUM	GLAUCA TARAXACIFOLIA SCORZONERAEFOLIA LACINIATA	AURANTIACA GRACILENS	UI.
		AMERICANA			PUMILUM						ASPERA		6
UINTA SANDWORT	BALLHEAD SANDWORT BURKE SANDWORT	FESCUE SANDWORT	SICKLE-POD ROCKCRESS	HAIRY ROCKCRESS	LOW DOGBANE	SHARPTOOTH ANGELICA SHARPTOOTH ANGELICA	AMERICAN PASQUEFLOWER	PACIFIC ANEMONE HUDSON ANEMONE	TOLMIE ONION	PALMER ONION PALMER ONION	PALE AGOSERIS PALE AGOSERIS PALE AGOSERIS	ORANGE AGOSERIS	7

7	SIBERIAN SANDWORT	THRIFT	CLASPING ARNICA CLASPING ARNICA	CHAMISSO ARNICA CHAMISSO ARNICA	RAYLESS ARNICA RAYLESS ARNICA	BROADLEAF ARNICA BROADLEAF ARNICA	RYDBERG ARNICA RYDBERG ARNICA	LOUISIANA SAGEBRUSH CUDWEED SAGEBRUSH	HEARTLEAF MILKWEED HEARTLEAF MILKWEED	MEXICAN MILKWEED MEXICAN MILKWEED	PACIFIC ASTER LONGLEAF ASTER	LEAFYBRACT ASTER LEAFYBRACT ASTER	WESTERN ASTER WESTERN ASTER	SPECKLEPOD LOCO
9		CALIFORNICA CALIFORNICA												
S	OBTUSILOBA SAJANENSIS	MARITIMA ARCTICA	AMPLEXICAULIS MACOUNII	CHAMISSONIS FOLIOSA	DISCOIDEA PARVIFLORA	LATIFOLIA Betonicaefolia	RYDBERGII AURANTIACA	LUDOVICIANA GNAPHALODES	CORDIFOLIA CORDIFOLIUS	FASC ICULAR IS MEX ICANA	CHILENSIS ADSCENDENS	FOL IACEUS CUSICK I I	OCCIDENTALIS FREMONTI	LENTIGINDSUS SALINUS
4	ARENARIA ARENARIA	ARMERIA STATICE	ARNICA ARNICA	ARNICA ARNICA	ARNICA ARNICA	ARNICA ARNICA	ARNICA ARNICA	ARTEMISIA ARTEMISIA	ASCLEPIAS GOMPHOCARPUS	AS CLEPIAS AS CLEPIAS	ASTER ASTER	ASTER ASTER	ASTER ASTER	ASTRAGALUS ASTRAGALUS
6	128013 128013	129001 129001	130001	130002	130004	130006	130110	131008 131008	134001 134001	134002 134002	136005	136010 136010	136015	137014 137014
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VULGARIS STRICTA	HOOKER I TEREBINTHACEA	PATULA PATULA	ROBBINSII MACGUNII	REVENTUS HOODIANUS	REVENTUS CONJUNCTUS	PURSHII GLAREDSUS	KENTROPHYTA IMPENSUS	FILIPES STENOPHYLLUS	DASYGLOTTIS AGRESTIS	CURVICARPUS SPEIROCARPUS	CAVADENSIS MORTOVI	SONNEANUS	STENOPHYLLUS ARRECTUS	U
		наѕтата	OCCIDENTALIS	OXYTROPIDOIDES	CONJUNCTUS	GLAREDSUS		FILIPES			MORTONI			O
BITTER WINTERCRESS	HOOKER BALSAMROOT HOOKER BALSAMROOT	SPEARLEAF SALTBUSH		LONGLEAF MILKVETCH	STIFF MILKVETCH	WOOLLYPOD MILKVETCH	THISTLE MILKVETCH	THREADSTALK MILKVETCH	PURPLE MILKVETCH	CURVEPOD MILKVETCH	CANADA MILKVETCH CANADA LOCO	BALLOONPOD MILKVETCH	HANGINGPOD MILKVETCH	

7	AMERICAN WINTERCRESS	BESSEYA BESSEYA	DENSE SPIKEPRIMROSE DENSE SPIKEPRIMROSE	DESERT ROCKPURSLANE	AMERICAN BELLFLOWER AMERICAN BELLFLOWER	LYALL BITTERCRESS	APPLEGATE PAINTBRUSH PINE PAINTBRUSH	CUSICK PAINTBRUSH HAIRY PAINTBRUSH	WHITE PAINTBRUSH WHITE PAINTBRUSH	SCARLET PAINTBRUSH SCARLET PAINTBRUSH	MAGENTA PAINTBRUSH MAGENTA PAINTBRUSH	SPLITLEAF PAINTBRUSH SPLITLEAF PAINTBRUSH	STARRY CERASTIUM COMMON CERASTIUM	WESTERN WATERHEMLOCK WATERHEMLOCK
9											OREPOLA			
5	DRTHOCERAS AMERICAVA	RUBRA RUBRA	DENSIFLORA SPARSIFLORA	CILIATA CAULESCENS	ROTUNDIFOLIA PETIOLATA	CORDIFOLIA LYALLII	APPLEGATEI PINETORUM	CUSICKII LUTEA	LONGISPICA PILOSA	MINIATA CRISPULA	PARVIFLORA OREUPLA	RHEXIFOLIA LAUTA	ARVENSE STRICTUM	DOUGLAS I I V AGANS
4	BARBAREA BARBAREA	BESSEYA SYNTHYRIS	BOISDUVALIA BOISDUVALIA	CALANDRINIA CALANDRINIA	CAMPANULA CAMPANULA	CARDAMINE CARDAMINE	CASTILLEJA	CASTILLEJA CASTILLEJA	CASTILLEJA CASTILLEJA	CASTILLEJA CASTILLEJA	CASTILLEJA CASTILLEJA	CASTILLEJA CASTILLEJA	CERASTIUM CERASTIUM	CICUTA CICUTA
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UMBELLATA PALLIDA	TINCTORIA ARISTELLA	PARVIFLORA PUSILLA	COLUMBIANA VERTICILLARIS	MONTIA PERFOLIATA	QUADRIVULNERA QUADRIVULNERA TENELLA	GRACILIS GRACILIS	AMDENA AMDENA		VULGARE LANCEOLATUM	FOLIOSUM DRUMMONDII ACAULESCENS	CENTAUREAE AMERICANUM	ALPINA PACIFICA	υ 1
			COLUMBIANA	PERFOLIATA						ACAULESCENS			6
COMMON COMANDRA PALE COMANDRA	BRISTLETIP COLLOMIA	LITTLEFLOWER COLLINSIA	COLUMBIAN ROCK CLEMATIS		SMALLFLOWER GODETIA		FAREWELL-TO-SPRING	CLARKIA GODETIA	BULL THISTLE	ELK THISTLE ELK THISTLE	MOUNTAIN THISTLE	ALPINE CIRCAEA ALPINE CIRCAEA	7

7	CALIFORNIA MORNINGGLORY CALIFORNIA MORNINGGLORY	HORSEWEED HORSEWEED	SLENDER BIRDBEAK SLENDER BIRDBEAK	CUSICK CORYDALIS	MATTED CRYPTANTHA MATTED CRYPTANTHA	GOLDSTAR	YELLOW LADYSLIPPER YELLOW LADYSLIPPER	SLIM LARKSPUR BLUE MOUNTAIN LARKSPUR	PALE LARKSPUR PALE LARKSPUR	DUNCECAP LARKSPUR MANYFLOWER LARKSPUR	SIMPLESTEM LARKSPUR TWOSPIKE LARKSPUR	WILLAMETTE LARKSPUR COLUMBIA LARKSPUR	NELSON LARKSPUR
9			TENUIS	CUSICKII			PARVIFLORUM		GLAUCUM				
5	SUBACAUL IS CAL IFORNICUS	CANADENSIS CANADENSIS	PILDSUS TENUIS	CASEANA	CIRCUMSCISSA CIRCUMSCISSA	INTERMEDIA MURICULATA	CALCEDLUS PARVIFLDRUM	DEPÁUPERATUM CYANOREIDS	GLAUCUM SCOPULDRUM	OCCIDENTALE MULTIFLORUM	BURKEI SIMPLEX DISTICHUM	NUTTALLII OREGANUM COLUMBIANUM	NUTTALLIANUM NELSONII
4	CONVOLVULUS	CONYZA ERIGERON	CORDYL ANTHUS, CORDYL ANTHUS	CORYDALIS CORYDALIS	CRYPTANTHA GREENEOCHARIS	CRYPTANTHA CRYPTANTHA	CYPRIPEDIUM CYPRIPEDIUM	DELPHINIUM DELPHINIUM	DELPHINIUM DELPHINIUM	DELPHINIUM DELPHINIUM	DELPHINIUM DELPHINIUM DELPHINIUM	DELPHINIUM DELPHINIUM DELPHINIJM	DELPHINIUM DELPHINIUM
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PANICULATUM JUNCUNDUM	ALPINUM HORNEMANNII	ANGLICA LONGIFOLIA	NUTTALLII Parviflorum	REPTANS MICRANTHA	INCERTA GLACIALIS	STENOLOBA NITIDA	WILLAMETTENSIS	N I VAL I S DENTATA	PAUCIFLORUM CUSICKII	JEFFREYI TETRANDRUM	PINNATA LONGIPEDICELLATA	SOPHIA PARVIFLORA		ن ب
JUNCUNDUM														6
TALL WILLOWWEED	ALPINE WILLOWWEED HORNEMANN WILLOWWEE	NARROWLEAF SUNDEW	AMERICAN DRAGONHEAD AMERICAN DRAGONHEAD	SMALLFLOWER DRABA	GLACIER DRABA	SLENDER DRABA SHINY DRABA	WILLAMETTE DOWNINGIA		DARKTHROAT SHOOTINGSTAR CUSICK SHOOTINGSTAR	JEFFREY SHOOTINGSTAR	PINNATE TANSYMUSTAR SLIMSTEM TANSYMUSTARD	FLIXWEED TANSYMUSTARD	TANSYMUSTARD TANSYMUSTARD	7

7	ALPINE WILLOWWEED ALPINE WILLOWWEED	SMOOTH WILLOWWEED SMOOTH WILLOWWEED	SIERRA WILLOWWEED SIERRA WILLOWWEED SIERRA WILLOWWEED	STICKY WILLOWWEED STICKY WILLOWWEED STICKY WILLOWWEED	GOLDEN FLEABANE	LINELEAF FLEABANE YELLOW FLEABANE	PEREGRINE FLEABANE PEREGRINE FLEABANE	SHAGGY FLEABANE SHAGGY FLEABANE	SHOWY FLEABANE SHOWY FLEABANE	SNOW ERIOGONUM FORKED BUCKWHEAT	STRICT BUCKWHEAT PROLIFEROUS BUCKWHEAT	SULFUR BUCKWHEAT TOLMEI BUCKWHEAT LONGGRAY BUCKWHEAT	BROOM BUCKWHEAT BAILEY BUCKWHEAT
9	GRACILLIMUM		TENUE URSINUM	OCCIDENTALE									
5	ALPINUM DREGONENSE	GLABERRIMUM FASTIGIATUM	GLANDULJSUM BREVISTYLUM BREVISTYLUM	WATSONII ADENDCAULON OCCIDENTALE	AUREUS Brandege i	L INEARIS PEUCEPHYLLUS	PEREGRINUS SAL SUGINDSUS	PUMILUS CONCINNUS	SPECIOSUS MACRANTHUS	NIVEUM DICHOTOMUM	STRICTUM PROLIFERUM	UMBELLATUM TOLMIEANUM STELLATUM	VIMINEUM BAILEYI
+	EPILOBIUM EPILOBIUM	EPILOBIUM EPILOBIUM	EPILOBIUM EPILOBIUM EPILOBIUM	EPILOBIUM EPILOBIUM EPILOBIUM	ERIGERON HAPLOPAPPUS	ERIGERON ERIGERON	ERIGERON ERIGERON	ERIGERON ERIGERON	ERIGERUN ERIGERON	ERIDGONUM ERIDGONUM	ERIOGONUM ERIOGONUM	ERIOGONUM ERIOGONUM ERIOGONUM	ERIOGONUM ERIOGONUM
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R ACEMOSJM CAESIUM	HUMILE PUMILUM	APARINE VAILLANTII	ALBICAULUS NITIDA	VIRGINIANA Platypetala	VIRGINIANA GLAUCA	VESCA CALIFORVICA	VESCA BRACTEATA	CHILDENSIS CUNEIFOLIA	CRENULATA CRENULATUS		ARENICOLA TORULOSUM	NANUM ELONGATUM	FLAVUM PIPERI	Gi.
			NITIDA	PLATYPETALA	GLAUCA	CRINITA	BRACTEATA					ELONGATUM		6
RACEMED GROUNDSMOKE	DWARE GROUNDS MOKE	CLEAVERS BEDSTRAW	SHINY FRASERA	BROADPETAL STRAWBERRY BROADPETAL STRAWBERRY	BLUELEAF STRAWBERRY	CALIFORNIA STRAWBERRY	WOODS STRAWBERRY	COMMON STRAWBERRY	BEETLE EUPHORBIA BEETLE EUPHORBIA	EUPHORBIA EUPHORBIA	NECKLACE WALLFLOWER		PIPER BUCKWHEAT	7

7	NUTTALL GROUNDSMOKE NUTTALL GROUNDSMOKE NUTTALL GROUNDSMOKE	PLEATED GENTIAN OREGON GENTIAN	NORTHERN GENTIAN NORTHERN GENTIAN	MT. BUG GENTIAN MT. BUG GENTIAN	WESTERN GERANIUM Western Geranium	AVENS	YELLOW AVENS	OREGON AVENS OREGON AVENS	REDBELL AVENS REDBELL AVENS		SHY GILIA SHY GILIA		GOLDENWEED	CALIFORNIA HESPEROCHIRON CALIFORNIA HESPEROCHIRON
9	INTERMEDIUM		ACUTA					PERINCISUM	CAMPANULATUM	CILIATUM				
5	NUTTALLII NUTTALLII LASIOSPERMUM	AFFINIS OREGANA	AMARELLA ACUTA	CALYCOSA SAXICOLA	DREGANUM INCISUM		ALEPPICUM STRICTUM	MACROPHYLLUM OREGONENSE	TRIFLORUM CAMPANULATUM	TRIFLORUM	SINUATA INCONSPICUA	LEIOCARPA LITTORALIS		CAL I FORNICUS LASIANTHUS
+	GAYUPHYTUM GAYUPHYTUM GAYOPHYTUM	GENT I ANA GENT I ANA	GENT I ANA GENT I ANA	GENTIANA GENTIANA	GERANIUM GERANIUM	GEUM SIEVERSIA	GEUM	GEUM GEUM	GEUM GEUM	GEUM GEUM	GILIA GILIA	GL EHN I A GL EHN I A	HAPLOPAPPUS APLOPAPPUS	HESPEROCHIRON HESPEROCHIRON
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NEVADENS IS CUSICK II	LANSZWERTII OREGONEVSIS	BIJUGATUS BIJUGATUS	PAUCIFLDRUS PAUCIFLDRUS	MOMOTROPA LATISQUAMA MULTIFLORA	FORMOSUM SCOULERI	FUSCA TENELLA	FUSCA CAPITATA	DAUCIFOLIA CARUIFOLIA	SCOULERI CHAPACANUM	CYNOGLOSSOIDES RYDBERGII	CYL INDRICA OVAL IFOL IA	ELMERA RACEMOSA	CYLINDRICA GLABELLA	5
CUSICKII	LANSZWERTII	SANDBERGII	TENUIOR		SCOULERI	TENELLA	CAPITATA				ALPIVA	RACEMOSA		6
CUSICK PEAVINE	OREGON PEAVINE	PINEWOODS PEAVINE	FEWFLOWERED PEAVINE	PINESAP PINESAP PINESAP	SCOULER ST. JOHNSWORT SCOULER ST. JOHNSWORT	TAWNY HORKELIA	TAWNY HORKELIA TAWNY HORKELIA	CARROTLEAF HORKELIA CARROTLEAF HURKELIA	WOOLLYWEED	HOUNDSTONGUE HAWKWEED RYDBERG HAWKWEED	GVALLEAF ALUMROOT UVALLEAF ALUMROOT	OLYMPICS ALUMROOT	ROUNDLEAF ALUMROOT	7

7	NUTTALL PEAVINE NUTTALL PEAVINE	TALL PEPPERWEED TALL PEPPERWEED	FALSE SAXIFRAGE FALSE SAXIFRAGE	SILVER BLADDERPOD	LEAST LEWISIA NEVADA LEWISIA	GRAYS LICORICEROOT GRAYS LICORICEROOT GRAYS LICORICEROOT	FERNLEAF LICORICERODT FERNLEAF LIGUSTICUM	NUTTALL GILIA	TWINFLOWER TWINFLOWER	PERENNIAL FLAX PERENNIAL FLAX	FEW-FRUITED LOMATIUM FEW-FRUITED LOMATIUM	NINELEAF LOMATIUM NINELEAF LOMATIUM	GORMAN BISCUITROOT GORMAN BISCUITROOT	SPANI SHCLOVER SPANI SHCLOVER
9	LANCELATUS						TENUIFOLIUM		LONGIFLORA AMERICANA			TRITERNATUM MACROCARPUM		
5	NEVADENSIS NUTTALLII	VIRGINICUM MEDIUM	PYROLIFOLIA AMPLEXIFOLIA	LUDOVICIANA ARGENTEA	PYGMAEA NEVADENSIS	GRAY I CUS ICK I I PURPUREUM	TENUIFOLIUM FILICINUM	NUTTALLII NUTTALLII	BOREAL IS BOREAL IS	PERENNE LEWISII	MARTINDALEI ANGUSTATUM	TRITERNATUM TRITERNATUM	GORMANII PIPERI	PURSHIANUS AMERICANUS
4	LATHYRUS LATHYRUS	LEPIDIUM	LEPTARKHENA LEPTARRHENA	LESQUERELLA LESQUERELLA	LEWISIA LEWISIA	LIGUSTICUM LIGUSTICUM	LIGUSTICUM	LINANTHASTRJM GILIA	LINNAEA LINNAEA	LINUM	LOMATIUM LOMATIUM	LOMATIUM	LOMATIUM	LOTUS
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ARIDUS	LEPIDUS	LAXIFLORUS SCHEUBERAE PSEUDOPARVIFLORUS	LAXIFLORUS LAXIFLORUS LAXIFLORUS	LATIFOLIUS SUKSDORFII	LATIFOLIUS LATIFOLIUS	ARGENTEUS PARV IFLORUS	ARGENTEUS CORYMBOSUS CAUDATUS	SUBALPINUS LATIFOLIUS	ALBICAULIS ANDERSONI	NARDOSMIA NARDOSMIA		PINNATUS BICOLOR	NEVADENSIS DOUGLASII	•
	ARIDUS	PSEUDOPARVIFLORUS	LAXIFLORUS COGNATUS SILVICOLA	THOMPSONIANUS	COLUMBIANUS	PARVIFLORUS	ARGENTEUS RUBRICAULIS	SUBALPINUS						•
	PRAIRIE LUPINE	SPUR LUPINE SPUR LUPINE SPUR LUPINE	SPUR LUPINE SPUR LUPINE SPUR LUPINE	BROADLEAF LUPINE BROADLEAF LUPINE	BROADLEAF LUPINE BROADLEAF LUPINE	LODGEPOLE LUPINE	SILVERY LUPINE SILVERY LUPINE	SUBALPINE LUPINE BROADLEAF LUPINE	PINE LUPINE	SILVERCROWN LUINA SILVERCROWN LUINA	LUINA	MEADOW DEERVETCH	NEVADA DEERVETCH	•

7	PRAIRIE LUPINE PRAIRIE LUPINE PRAIRIE LUPINE	PRAIRIE LUPINE PRAIRIE LUPINE PRAIRIE LUPINE PRAIRIE LUPINE	VELVET LUPINE VELVET LUPINE VELVET LUPINE	CHICK LUPINE LEIBERG LUPINE	BIGLEAF LUPINE BIGLEAF LUPINE BIGLEAF LUPINE	SILKY LUPINE SILKY LUPINE	COMMON TARWEED COMMON TARWEED	SMALL HEAD TARWEED SMALL HEAD TARWEED	OREGON BIGROOT	CANADA MINT CANADA MINT	BLAZINGSTAR MENTZELIA BLAZINGSTAR MENTZELIA	LEAFY BLUEBELLS LEAFY BLUEBELLS
9	CUSICKII ABORTIVUS CUSICKII	LOBBII LOBBII TORREYI	LEUCOPHYLLUS BELLIAE CAVESCENS	MICROCARPUS TRANSMONTANUS	BURKEI BERNARDINUS	SERICEUS				CANADENSIS	LAEVICAULIS	
5	LEPIDUS ARIDUS ARIDUS	LEPIDUS LYALLII LYALLII ARIDUS	LEUCOPHYLLUS LEUCOPHYLLUS LEUCOPHYLLUS	MICROCARPUS Subvexus	POLYPHYLLUS RURKE I SUPERBUS	SERICEUS ORNATUS	GRACILIS DISSITIFLORA	MINIMA	OREGANUS OREGONA	ARVENSIS CANADENSIS	LAEVICAULIS ACUMINATA	OBLIGIFOLIA Umbratilis
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CORDIFOLIA ASARIFOLIA	CHAMISSDI CHAMISSDI	ODORATISSIMA NERVOSA ODORATISSIMA DISCOLOR	MACROPHYLLA MACROPHYLLA	LATERIFLORA LATERIFLORA	STAUROPETALA STENOPETALA	SUKSDORFII AURANTIACUS	TILINGII IMPLEXUS	GUTTATUS SCOULERI NASUTUS MICROPHYLLUS	GRACILIS MICRANTHA HUMILIS	GRACILIS GRACILIS	ALPESTRIS ALPESTRIS
		DISCOLOR					ALPINUS		HUMILIOR		
BROADLEAF INDIANLETTUCE	CHAMISSO INDIANLETTUCE	PACIFIC MONARDELLA PACIFIC MONARDELLA PACIFIC MONARDELLA PACIFIC MONARDELLA	BIGLEAF SANDWORT	BLUNTLEAF SANDWORT BLUNTLEAF SANDWORT	SIDEFLOWER MITERWORT	BUSH MONKEYFLOWER	CLUSTERED MONKEYFLOWER CLUSTERED MONKEYFLOWER CLUSTERED MONKEYFLOWER	COMMON MONKEYFLOWER COMMON MONKEYFLOWER COMMON MONKEYFLOWER	PINK MICROSTERIS PINK MICROSTERIS	PINK MICROSTERIS	ALPINE MICROSERIS

7	DWARF MONTIA BRANCHING SPRINGBEAUTY	LITTLELEAF MONTIA SMALLFLOWER SPRINGBEAUTY	MINERSLETTUCE RED SPRINGBEAUTY RED SPRINGBEAUTY	SIBERIAN MONTIA WESTERN SPRINGBEAUTY	YELLOWFLOWER NAVARRETIA YELLOWFLOWER NAVARRETIA	NORTHERN NAVARRETIA NORTHERN NAVARRETIA	LEAST NAVARRETIA	SMALLFLOWER NEMOPHILA SMALLFLOWER NEMOPHILA	SPREADING NEMOPHILA SPREADING NEMOPHILA SPREADING NEMOPHILA	PACIFIC WATERPARSLEY PACIFIC WATERPARSLEY	COMMON EVENINGPRIMR SE COMMON EVENINGPRIMROSE	BRISTLY PRICKLYPEAR BRISTLY PRICKLYPEAR	BROOMRAPE BROOMRAPE
9			DEPRESSA										
5	DICHOTOMA	PARV IFOL IA PARV IFOL IA	PERFOLIATA Parvifolia Rubra	SIBIRICA SIBIRICA	BREWERI BREWERI	TAGETINA KLICKITATENSIS	SQUARROSA Minima	PARV IFL JRA INCONSPICUA	PEDUNCULATA SEPULTA DENSA	SARMENTOSA CALIFORNICA	BIENNIS RYDBERGII	HYSTRICINA RHODANTHA	
4	MONT I A CLAYTON I A	MONTIA CLAYTONIA	MONTIA CLAYTONIA CLAYTONIA	MONTIA CLAYTONIA	NAVARRET I A GILIA	NAVARRET I A NAVARRET I A	NAVARRET I A NAVARRET I A	NEMOPHILA NEMOPHILA	NEMOPHILA NEMOPHILA NEMOPHILA	OENANTHE OENANTHE	OENOT HERA OENOT HERA	OPUNTIA OPUNTIA	OROBANCHE THALES IA
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	ROEZLII		SCOULERI					GRACILIS		CRYPTANTHUS			6
TINYBLOOM PENSTEMON TINYBLOOM PENSTEMON TINYBLOOM PENSTEMON	GAY PENSTEMON	GAIRDNER PENSTEMON	BUSH PENSTEMON	SCABLAND PENSTEMON	DAVIDSON PENSTEMON	SULFUR PENSTEMON	BRACTED PEDICULARIS	SLENDER CRAZYWEED SLENDER CRAZYWEED	MOUNTAIN SWEETROOT MOUNTAIN SWEETROOT MOUNTAIN SWEETROOT	COPELAND OWLCLOVER	NAKED BROOMRAPE	CLUSTERED BROOMRAPE	7

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7			WHITELEAF WHITELEAF WHITELEAF	VARILEAF I		SPREADING SPREADING	S PHLOX		LONGLEAF	Y PHLOX		I ND I ANWHEAT I ND I ANWHEAT
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5	RYDBERGII WASHOENSIS OREOCHARIS	SPECIOSUS GLABER	HASTATA LEUCOPHYLLA ALPINA	HETEROPHYLLA V IRGATA	CAESPITOSA DOUGLASII	DIFFUSA DIFFUSA	H000 II	LONGIFOL IA LONGIFOL IA VIRIDIS	LUNGIFULIA LINEARIFULI	SPECIOSA SPECIOSA SPECIOSA SPECIOSA	SCOULERI CUSICKII HISPIDULUS	PATAGON ICA PURSHII
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NORVEGICA NORVEGICA	GRACILIS GLABRATA GRACILIS	FRUTICOSA GRACILIS	GRACILIS FLABELLIFORWIS FASTIGIATA BLASCHKEANA PULCHERRIMA VIRIDESCENS	GLANDULDSA VALIDA RHOMBOIDEA	DRUMMONDII CASCADENSIS	DIVERSIFOLIA GLAUCOPHYLLA	ARGUTA CORYMBOSA	DDUGLASII MDNTANUM	AMPHIBIUM NATANS		CONGESTA APHANOPTERA CONGESTA	U ī
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NORWEGIAN CINQUEFOIL	SLENDER CINQUEFOIL SLENDER CINQUEFOIL	SHRUBBY CINQUEFOIL	BEAUTY CINQUEFOIL BEAUTY CINQUEFOIL BEAUTY CINQUEFOIL BEAUTY CINQUEFOIL	GLAND CINQUEFOIL GLAND CINQUEFOIL	DRUMMOND CINQUEFOIL	VARILEAF CINQUEFOIL	VALLEY CINQUEFOIL	DOUGLAS KNOTWEED	WATER LADYSTHUMB FLOATING LADYSTHUMB	KNOTWEED KNOTWEED	ROSY PLECTRITIS ROSY PLECTRITIS	7

7	PIERYXIA	PTERYXIA	PYROLA	ALPINE PYROLA ALPINE PYROLA	TOOTHLEAF PYROLA TOOTHLEAF PYROLA	GREEN PYROLA GREEN PYROLA	ESCHSCHOLTZ BUTTERCUP SUKSDORF BUTTERCUP	BONGARD BUTTERCUP DOUGLAS BUTTERCUP	ALASKA BUTTERCUP	PURSH BUTTERCUP	WESTERN YELLOWCRESS		WILLOW DOCK MEXICAN DOCK
9		TEREBINTHUS FOENICULACEA										ALPICOLA	
5		TEREBINTHUS TEREBINTHINA		ASARIFOLIA ROTUNDIFOLIA	DENTATA PALLIDA	V IRENS CHLORANTHA	ESCHSCHOLTZII SUKSDORFII	UNCINATUS BONGARDII DOUGLASII	FLAMMULA UNALASCHENSIS REPTANS	GMEL IN I I PURSHI I	CURVISILIQUA LYRATA	OCCIDENTALIS ALPICOLA	SALICIFOLIUS MEXICANUS
4	CYMOPTERUS PTERYXIA	CYMOPTERUS PTERYXIA	PYROLA MONESES	PYROLA PYROLA	PYROLA PYROLA	PYROLA PYROLA	RANUNCULUS RANUNCULUS	RANUNCULUS RANUNCULUS RANUNCULUS	RANUNCULUS RANUNCULUS RANUNCULUS	RANUNCULUS RANUNCULUS	RORIPPA RORIPPA	RUDBECKIA RUDBECKIA	RUMEX RUMEX
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STENOPETALUM DOUGLASII	GALERICULATA EPILOBIIFOLIA	OCCIDENTALIS RUFIDULA	INTEGRIFOLIA COLUMBIANA	BRONCHIAL IS AUSTROMONTANA	PUNCTATA AESTIVALIS	PELTIPHYLLUM PELTATA	TELESONIX JAMESII	DOUGLASII CHAMISSONIS DOUGLASII		GRAVEOLENS SEPTENTRIONALIS	OCCIDENTALIS ANNUA	OFFICINAL IS MICROCEPHALA	CUNEATA ARIFOLIA	5
		RUFINDULA	COLUMBIANA	AUSTROMONTANA		PELTATA	JAMESII							6
WORMLEAF STONECROP DOUGLAS STONECROP	WILLOWWEED SKULLCAP	REDWOOL SAXIFRAGE	SWAMP SAXIFRAGE	MATTED SAXIFRAGE	DOTTED SAXIFRAGE	UMBRELLA SAXIFRAGE	JAMES SAXIFRAGE	YERBA BUENA YERBA BUENA YERBA BUENA	YERBA BUENA YERBA BUENA	NORTHERN SANICLE	ANNUAL BURNET	GARDEN BURNET	ARUMLEAF ARROWHEAD ARUMLEAF ARROWHEAD	7

7	WATSON STONECROP	WOOLLY GROUNDSEL WOOLLY GROUNDSEL WOOLLY GROUNDSEL	CLEFTLEAF GROUNDSEL CLEFTLEAF GROUNDSEL	WESTERN GROUNDSEL WESTERN GROUNDSEL WESTERN GROUNDSEL		BALSAM GROUNDSEL BALSAM GROUNDSEL	PHANTOMORCHID PHANTOMORCHID	OREGON CHECKERMALLOW OREGON CHECKERMALLOW	DOUGLAS SILENE MOUNTAIN SILENE LYALL SILENE COLUMBIA SILENE BUSHY SILENE	HOOKER SILENE INGRAM SILENE	MACOUN SILENE	DOUGLAS NIGHTSHADE
9				EXALTATUS								
2	OREGONENSE Watsoni	CANUS HOWELLII PURSHIANUS	CYMBALAR IDIDES LAETIFLORUS	INTEGERIMUS CONDENSATUS COLUMBIANUS	PSEUDAUREUS FLAVULUS	PAUPERCULUS TWEEDY I	AUSTINAE AUSTINAE	OREGANA SPICATA	DOUGLASII MONTAVA LYALLII COLUMBIANA MULTICAULIS	HOOK ER I Ingram I	PARRY I I MACOUN I I	DOUGLASII
4	SELAGINELLA Sedum	SENECIO SENECIO SENECIO	SENECIO . SENECIO	SENECIO SENECIO SENECIO	SENECIO SENECIO	SENECIO SENECIO	SERAPIAS CEPHALANTHERA	SIDALCEA SIDALCEA	SILENE SILENE SILENE SILENE SILENE	SILENE	SILENE	SOLANUM
m	416002 416002	417003 417003 417003	417004	417008 417008 417008	417011	417012 417012	418001· 418001	420004	421004 421004 421004 421004 421004	421006 421006	421019 421019	427001
2	SEOR	SECA SEHO SEPU	SECY SELA	SEINE SECO 2 SECO	SEPS SEFL	SEPA	SEAU 2 CEAU	SIOR SISP	SIDU 2 SIMU SICO SICO SIMU	SIHO	SIPA	0000
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THYSANDCARPJS THLASPI	THLASPI THLASPI	THERMOPSIS THERMOPSIS THERMOPSIS	STELLARIA STELLARIA	STELLARIA STELLARIA	STACHYS STACHYS	STACHYS STACHYS	STACHYS STACHYS	SPHAERALCEA SPHAERALCEA	SPERGULARIA SPERGULARIA	SOLIDAGO SOLIDAGO	SOLIDAGO SOLIDAGO	SOLANUM SOLANUM	4
FENDLERI GLAUCUM	FENDLERI ALPESTRE	MONTANA OVATA GRACILIS	CALYCANTHA BOREALIS	LONGIPES LAETA	RIGIDA BULLATA	PALUSTRIS SCOPULORUM	MEXICANA CILIATA	ILIAMNA RIVULARIS	MEDIA MEDIA	SPATHULATA GLUTINOSA	MULTIRADIATA SCOPULORUM CILIOSA	SARRACHDIDES VILLOSUM	ഗ
GLAUCUM		DVATA						RIVULARIS					6

7	LARGE FLOWER TONELLA LARGE FLOWER TONELLA	SMALL FLOWER TONELLA SMALL FLOWER TONELLA	HOP CLOVER HOP CLOVER	SPRINGBANK CLOVER SPRINGBANK CLOVER	PINOLE CLOVER PINOLE CLOVER	WOOLYHEAD CLOVER WOOLYHEAD CLOVER	SPINDLEROOT CLOVER SPINDLEROOT CLOVER	RANCHERIA CLOVER RANCHERIA CLOVER	WHITE GLOBEFLOWER	SLIM NETTLE	HOARY NETTLE	BREWER NETTLE LYALL NETTLE	SCOULER VALERIAN SCOULER VALERIAN	AMERICAN FALSEHELLEBORE AMERICAN FALSEHELLEBORE
9						CUSICKII	ERIOCEPHALUM	ALBOPURPUREUM	ALBIFLORUS		HOLOSERICEA	LYALLII	SCOULERI	
5	FLOR IBUNDA FLOR IBUNDA	TENELLA TENELLA	CAMPESTRE PROCUMBENS	WORMSKJOLDI FIMBRIATUM	BIFIDUM HALLII	ERIOCEPHALUM Harney en Se	ERIDCEPHALUM ARCUATUM	MACRAEI ALBOPURPUREUM	LAXUS ALBIFLORUS	DIOICA GRACILIS	DIOICA HOLOSERICEA	DIOICA BREWERI LYALLII	SCOULERI SITCHENSIS	VIRIDE ESCHSCHOLTZII
4	TONELLA COLLINSIA	TONELLA COLL-INSIA	TRIFOLIUM TRIFOLIUM	TRIFOLIUM TRIFOLIUM	TRIFOLIUM TRIFOLIUM	TRIFOLIUM TRIFOLIUM	TRIFOLIUM TRIFOLIUM	TRIFOLIUM TRIFOLIUM	TROLLIUS TROLLIUS	URTICA URTICA	URTICA URTICA	URTICA URTICA URTICA	VALERIANA VALERIANA	VERATRUM VERATRUM
m	456001 456001	456002 456002	462006 462006	462037 462037	462038 462038	462040	462041 462041	462043 462043	464003	466005	900994	466007 466007 466007	468004	470003
2	TOFL 2 COFL	TOTE COTE 3	TRCA 2 TRPR 2	TRWO 2 TRFI	TRBI	TRERC TRHA 3	TRERE TRAK	TRMAA TRAL	IRLAA TRAL 2	URDI URGR	URDIH URHO	URDIL URBR URLY	VASC 2 VASIS	VE VI VEE S
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ALIN	VASE	POFR 2 SMFR	NUPO NYPO	CADR 2	TUGL ARGL	XASA	VIPL	VIADA VIMO VIRE	VIAMT VIOR VITR 3	VIAMV VICA 2	VI AMM VI TR VI SP	VELA	2
703005 703005	544001 544001	536001 536001	531001 531001	512001 512001	504001 504001	479001 479001	475024 475024	475023 475023 475023	474014 474014 474014	474013 474013	474012 474012 474012	472001 472001	w
ALNUS ALNUS	VACCARIA SAPONARIA	POLYCTENIUM SMELOWSKIA	NUPHAR NYMPHAEA	CARDARIA LEPIDIUM	TURRITIS ARABIS	XANTHIUM	VIOLA VIOLA	VIOLA VIOLA	VICIA VICIA	VICIA VICIA	VICIA VICIA	VERBENA VERBENA	4
INCANA TENUIFOLIA	SEGETALIS VACCARIA	FREMONTII FREMONTII	POLYSEPALA POLYSEPALA	DRABA DRABA	GLABRA GLABRA	SACCHARATUM AFFINE	NUTTALLI FLAVOVIRENS	ADUNCA MONTANENS IS RETROSCABRA	AMERICAVA OREGANA TRUNCATA	AMERICAVA CALIFORNICA	AMERICANA TRIFIDA SPARSIFOLIA	LASIOSTACHYS PROSTRATA	5
							MAJOR	ADUNCA	TRUNCATA	VILLOSA	MINOR		6
THINLEAF ALDER	COW SOAPWORT	DESERT SMELOWSKIA	WATERLILY	HOARY PEPPERWEED	TOWERMUST ARD TOWERMUST ARD		NUTTALL VIOLET	HOOK VIOLET HOOK VIOLET	AMERICAN VETCH AMERICAN VETCH AMERICAN VETCH	AMERICAN VETCH AMERICAN VETCH	AMERICAN VETCH AMERICAN VETCH AMERICAN VETCH	VERBENA VERBENA	7

	SERVICEBERRY SERVICEBERRY	SERVICEBERRY SERVICEBERRY				BIRCHLEAF MOUNTAINMAHOGANY CURLLEAF MOUNTAINMAHOGANY BIRCHLEAF MOUNTAINMAHOGANY	000M	HAZEL	IORN		ISPRAY ICEANSPRAY ISPRAY		IGRAPE IGRAPE
7	CUSICK SERV CUSICK SERV	PACIFIC SER PACIFIC SER	MISTLETOE MISTLETOE	BOG BIRCH HALLS BIRCH	WATER BIRCH WATER BIRCH	BIRCHLEAF M CURLLEAF MO BIRCHLEAF M	WESTERN DOGWOOD WESTERN DOGWOOD	CALIFORNIA HAZEL	BLACK HAWTHORN BLACK HAWTHORN	OREGON ASH OREGON ASH	GLAND OCEANSPRAY CREAMBUSH OCEANSPRAY GLAND OCEANSPRAY	OREGONGRAPE OREGONGRAPE	TALL OREGONGRAPE TALL OREGONGRAPE
9	CUSICKII	SEMIINTEGRIFOLIA				LEDIFOLIUS	OCCIDENTALIS	CALIFORNICA			GLABRESCENS GLABRESCENS		
S	ALNIFDLIA CUSICKII	ALNIFOLIA FLORIDA		GLANDULDSA HALLII	OCCIDENTALIS FONTINALIS	MONTANUS LEDIFOLIUS BETULOIDES	STOL ON IFERA OCCIDENTALIS	CORNUTA CORNUTA	DOUGLASII RIVULARIS	LATIFOLIA OREGONA	DUMOSUS GLABRESCENS DISCOLOR		AQUIFOLIUM AQUIFOLIUM
4	AMEL ANCHIER AMEL ANCHIER	AMEL ANCH I ER AMEL ANCH I ER	ARCEUTHOBIUM RAZOUMOFSKYA	BETULA BETULA	BETULA BETULA	CERCOCARPUS CERCOCARPUS CERCOCARPUS	CORNUS CORNUS	CORYLUS CORYLUS	CRATAEGUS CRATAEGUS	FRAXINUS FRAXINUS	HOLODI SCUS HOLODI SCUS HOLODI SCUS	BERBERIS MAHONIA	BERBERIS MAHONIA
m	704005	704006	707000 707000	711001 711001	711003 711003	716004 716004 716004	722005	723002 723002	724002 724002	732001 732001	737004 737004 737004	748000 748000	748001 748001
2	AMALC AMCU	AMALS AMFL	ARCEU RAZOU	BEGL BEHA	BEOC BEFO	CENO CELEL CEBE 2	COSTO COOC	COCO 2 COCOC	CRDO	FRLA 2 FROR	HODUG HOGL HODIG	BERBE MAHON	BEAQ MAAQ
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RONUH 1 ROSP	RIVEG 1 RIGO	RIHO 1 RIAC	RIHUP 1 RIPE	RICR 1 RIROC	RICE 1 RIRE	PSMEG 1 PSTA	PREM 1 PRPR	PHLE 1 PHGO	PYFU 2 MAFU 2 MADI	PYRUS 2 MALUS	BERE 2 MARE	BEPU 2 MAPU	BENE 2 MANE	2
	(1)			C	()	G.		2	ω		7			
773007 773007	772030 772030	772029 772029	772028 772028	772027 772027	772026 772026	766001 766001	765001 765001	758002 758002	749001 749001 749001	749000 749000	48004	748003 748003	748002 748002	W
ROSA	RIBES RIBES	RIBES	RIBES	RIBES RIBES	RIBES RIBES	PSEUDOTSUGA PSEUDOTSUGA	PRUNUS PRUNUS	PHILADELPHUS PHILADELPHUS	PYRUS MALUS MALUS	PYRUS MALUS	BERBERIS MAHONIA	BERBERIS MAHONIA	BERBERIS MAHONIA	4
NUTKANA SPALDINGII	VELUTINUM GOODDINGII	HOWELLII ACERIFOLIUM	HUDSONIANUM PETIOLARE	CRUENTUM ROEZLII	CEREUM RENIFORME	MENZIESII TAXIFOLIA	EMARGINATA PRUNIFOLIA	GORDONIANUS	FUSCA FUSCA DIVERSIFOLIA		REPENS	PUMILA	NERVOSA NERVOSA	5
HISPIDA	GOODINGII		PETIOLARE	CRUENTUM	CEREUM	GLAUCA								6
BRISTLY NOOTKA ROSE BRISTLEY NOOTKA ROSE	DESERT GOOSEBERRY DESERT GOOSEBERRY	MAPLELEAF CURRANT MAPLELEAF CURRANT	BLACK CURRANT BLACK CURRANT	SHINYLEAF GOOSEBERRY	WAX CURRANT	DOUGLAS-FIR %INTERIORED	BITTER CHERRY	MOCKORANGE MOCKORANGE	OREGON CRABAPPLE OREGON CRABAPPLE	APPLE	LOW OREGONGRAPE	PYGMY OREGONGRAPE	CASCADE OREGONGRAPE	7

7	PEARHIP ROSE PEARHIP ROSE PEARHIP ROSE	DARK RASPBERRY DARK RASPBERRY	RED RASPBERRY WESTERN RED RASPBERRY	TRAILING BLACKBERRY TRAILING BLACKBERRY	COYOTE WILLOW SILVERLEAF WILLOW	PACIFIC WILLOW WHIPLASH WILLOW	BLUEBERRY WILLOW FIRMLEAF WILLOW	SITKA WILLOW COULTER WILLOW	SKYLAND WILLOW	DUSKY WILLOW	MACKENZIE WILLOW	GREENSIDES WILLOW	YELLOW WILLOW	PURPLE SAGE PURPLE SAGE
9	ULTRAMONTANA		SACHALINENSIS							MELANOPSIS	МАСЯОБЕММА	MACKENZIEANA	WATSONII	CARVOSA
5	WOODSII PYRIFERA ULTRAMONTANA	NIGERRIMUS HESPERIUS	I DAEUS STRIGOSUS	URSINUS MACROPETALUS	EXIGUA ARGDPHYLLA	LASIANDRA CAUDATA	MYRTILLIFOLIA PSEUDOCORDATA	SITCHENSIS COULTERI	ARCTICA PETROPHILA	EXIGUA MELANOPSIS	R I G I DA MACKENZIANA	RIGIDA MONOCHROMA	RIGIDA LUTEA	DORRII CARNOSA
3 4	773009 ROSA 773009 ROSA 773009 ROSA	774005 RUBUS 774005 RUBUS	774014 RUBUS 774014 RUBUS	774015 RUBUS 774015 RUBUS	775012 SALIX 775012 SALIX	775014 SALIX 775014 SALIX	775021 SALIX 775021 SALIX	775026 SALIX 775026 SALIX	775029 SALIX 775029 SALIX	775032 SALIX 775032 SALIX	775039 SALIX 775039 SALIX	775040 SALIX 775040 SALIX	775041 SALIX 775041 SALIX	776002 SALVIA 776002 SALVIA
2	ROWOU 77 ROPY 77 ROUL 77	RUNI 2 77 RUHE 77	RUIDS 77 RUST 77	RUUR 77 RUMA 77	SAEX 77 SAAR 3 77	SALA 2 77 SACA 5 77	SAMY 77 SAPS 77	SASI 2 77 SACO 3 77	SAAR 5 77 SAPE 2 77	SAEXM 77 SAME 2 77	SARIM 77 SAMA 2 77	SARIM2 77 SAMO 77	SARIW 77 SALU 77	SADOC 77 SACA 2 77

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GLNES FOST	GLNE	GLOSS FORSE	VIED	TECAI	SYUR SYVA SYRU	SPPY	SPOOM	SPBEL SPLU	\$0\$16	SOSCC SOCA 2	SARAM	SACE	SARAA	2
794002 794002	794001 794001	794000 794000	791001 791001	784001 784001	782003 782003 782003	781010 781010	781009 781009	781008 781008	780009 780009	780008 780008	777007 777007	777002 777002	777001 777001	w
GLOSSOPETALON FORSELLESIA	GLOSSOPETALON FORSELLESIA	GLOSSOPETALON FORSELLESIA	VIBURNUM VIBURNUM	TETRADYMIA TETRADYMIA	SYMPHORICARPOS SYMPHORICARPOS SYMPHORICARPOS	SPIRAEA SPIRAEA	SPIRAEA SPIRAEA	SPIRAEA SPIRAEA	SORBUS SORBUS	SORBUS SORBUS	SAMBUCUS SAMBUCUS	SAMBUCUS SAMBUCUS	SAMBUCUS SAMBUCUS	4
NEVADENSE STIPULIFERA	NEVADENSE SPINESCENS		EDULE PAUCIFLORUM	CANESCENS	OREOPHILUS VACCINIDIDES ROTUNDIFOLIUS	PYRAMIDATA MENZIESII	DUUGLASII MENZIESII	BETUL IFOL IA	SITCHENSIS OCCIDENTALIS	SCOPULINA CASCADENSIS	RACEMOSA MELANOCARPA	CERULEA GLAUCA	RACEMOSA CALLICARPA	vn
STIPULIFERUM				INERMIS		PYRAMIDATA	MENZIESII	LUCIDA	GRAYI	CASCADENSIS	MELANDCARPA		ARBORESCENS	6

LIST OF Soil Surface Items

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BAKEGROUND BRANCHES CRYPTOGAMS GRAVEL LITTER LOGS STONES STUMPS

Garrison, George A., Skovlin, Jon M., and Poulton, Charles E. 1967. Northwest Range-Plant Symbols. U.S. Forest Serv. Res. Paper PNW-40, 121 pp. Pacific Northwest Forest & Range Experiment Station, Portland, Oreg.

Alpha and numeric code listings of common range grasses, sedges, rushes, forbs, shrubs, and trees of the Pacific Northwest. Primarily of value to those workers desiring to utilize automatic data processing for compilation and analysis of vegetation studies or range survey data, although just the name lists will be helpful to some workers.

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The FOREST SERVICE of the U.S. Department of Agriculture is dedicated to the principle of multiple use management of the Nation's forest resources for sustained yields of wood, water, forage, wildlife, and recreation. Through forestry research, cooperation with the States and private forest owners, and management of the National Forests and National Grasslands, it strives—as directed by Congress—to provide increasingly greater service to a growing Nation.

